

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/11/2015

Revision date:

Version: 1.0

ES-5037

SECTION 1: Identi	fication of the subs	tance/mixture and of the company/undertaking
1.1. Product iden	tifier	
Product form		: Mixtures
Product name.		: CLP SEMI-VOLATILES DMC STOCK SOLUTION 2000 UG/ML IN METHYLENE CHLORIDE-D2
Product code		: ES-5037
1.2. Relevant ider	ntified uses of the substa	ance or mixture and uses advised against
1.2.1. Relevant ider	ntified uses	
Industrial/Professional u	se spec	: For professional use only.
1.2.2. Uses advised	l against	
No additional informatio	n available	
1.3. Details of the	e supplier of the safety da	ata sheet
Cambridge Isotope Labo 50 Frontage Road Andover, MA 01810 USA USA: 1-800-322-1174 <u>cilsales@isotope.com</u>		
Emergency to	elephone number	
Emergency numbers:		
Chemtrec: 1-800-424-9 International: 1-703-74		
<b>SECTION 2: Hazar</b>	ds identification	
2.1. Classification	n of the substance or mix	xture
Classification accordi	ng to Regulation (EC) No	0. 1272/2008 [CLP]
Flam. Liq. 3	H226	
Acute Tox. 4 (Oral)	H302	
Acute Tox. 3 (Dermal)	H311	
Acute Tox. 3 (Inhalation		
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
Carc. 2	H351	
	H361	
Repr. 2 STOT SE 3	H336	
STOT SE 3	H335	
STOT SE 1	H370	
STOT RE 2	H373	
Aquatic Chronic 3	H412	
Full text of H-phrases: s	ee section 16	
	ng to Directive 67/548/EE	EC or 1999/45/EC
Carc.Cat.1; R45 Muta.Cat.1; R46 T; R39/23/24/25 Xn; R20/21/22 Xi; R36/38 N; R50/53 R10		
Full text of R-phrases: s	ee section 16	

Full text of R-phrases: see section 16

H226

#### **Classification (GHS-US)**

Flam. Liq. 3

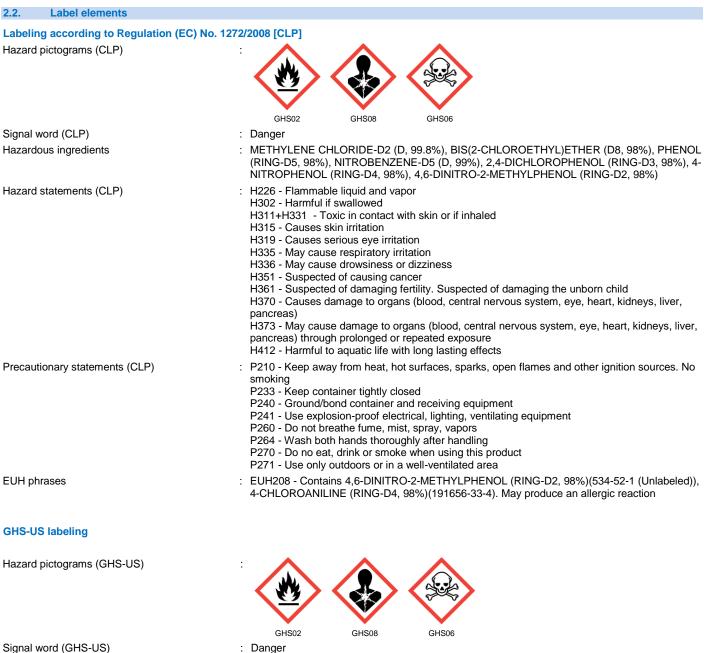
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Acute Tox. 4 (Oral)	H302
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation)	H331
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Carc. 2	H351
Repr. 2	H361
STOT SE 3	H336
STOT SE 3	H335
STOT SE 1	H370
STOT RE 2	H373
Aquatic Chronic 3	H412

Adverse physicochemical, human health and environmental effects

Liver, Pancreas, Blood, Central nervous system, Heart, Kidney. Eyes.



: Danger

: H226 - Flammable liquid and vapor H302 - Harmful if swallowed

Hazard statements (GHS-US)

rding to Enderel Register (Vol. 77, No. 58 / Monday, March 26, 2012 / Pulse and Regulations

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	<ul> <li>H311+H331 - Toxic in contact with skin or if inhaled</li> <li>H315 - Causes skin irritation</li> <li>H317 - May cause an allergic skin reaction</li> <li>H317 - May cause an allergic skin reaction</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> <li>H336 - May cause drowsiness or dizziness</li> <li>H351 - Suspected of causing cancer (Dermal, Inhalation, oral)</li> <li>H361 - (Dermal, Inhalation, oral)</li> <li>H370 - Causes damage to organs (blood, central nervous system, heart, kidneys, liver, pancreas</li> <li>(Dermal, Inhalation, oral)</li> <li>H373 - May cause damage to organs (blood, central nervous system, eye, heart, kidneys, liver, pancreas) through prolonged or repeated exposure (Dermal, Inhalation, oral)</li> <li>H412 - Harmful to aquatic life with long lasting effects</li> </ul>
Precautionary statements (GHS-US)	<ul> <li>P201 - Obtain special instructions before use</li> <li>P202 - Do not handle until all safety precautions have been read and understood</li> <li>P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking</li> <li>P233 - Keep container tightly closed</li> <li>P240 - Ground/bond container and receiving equipment</li> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P242 - Use only non-sparking tools</li> <li>P243 - Take precautionary measures against static discharge</li> <li>P260 - Do not breathe fume, mist, spray, vapors</li> <li>P261 - Avoid breathing fume, mist, spray, vapors</li> <li>P264 - Wash Both hands thoroughly after handling</li> <li>P270 - Do no eat, drink or smoke when using this product</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace</li> <li>P273 - Avoid release to the environment</li> <li>P280 - Wear eye protection, frace protection, protective clothing, protective gloves</li> <li>P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P302+P353 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P303+P361+P333 - IF IN Nextower</li> <li>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing</li> <li>P305+P351+P338 - IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P304+P313 - IF explosed or concerned: Get medical advice/attention</li> <li>P314 - Get medical advice and attention if you feel unwell</li> <li>P312 - Call a POISON CENTER / doctor/physician</li> <li>P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P332+P313 - If skin irritation orcurs: Get medical advice/attention</li> <li>P332+P313 - If skin irritation orcurs: Get m</li></ul>

### 2.3. Other hazards

No additional information available

### **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

### Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
METHYLENE CHLORIDE-D2 (D, 99.8%)	(CAS No) 1665-00-5 (EC no) 000-838-9 (EC index no) 602-004-00-3	97.65	Carc.Cat.3; R40 T; R39/23/24/25 Xn; R22 Xi; R36/38

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
ACENAPHTHYLENE (D8, 98%)	(CAS No) 93951-97-4 (EC no) 205-917-1	0.15	N; R50/53 Xi; R36/37/38
BENZO[A]PYRENE (D12, 97%)	(CAS No) 63466-71-7 (EC no) 200-028-5 (EC index no) 601-032-00-3	0.15	Carc.Cat.1; R45 Muta.Cat.1; R46 Repr.Cat.1; R61 R42 Xi; R38 N; R50/53
PYRENE (D10, 98%)	(CAS No) 1718-52-1 (EC no) 204-927-3	0.15	Xi; R36/38 N; R50/53
BIS(2-CHLOROETHYL)ETHER (D8, 98%)	(CAS No) 93952-02-4 (EC no) 203-870-1	0.15	R10 Muta.Cat.3; R68 T+; R26/27/28
PHENOL (RING-D5, 98%)	(CAS No) 4165-62-2 (EC no) 203-632-7 (EC index no) 604-001-00-2	0.15	Muta.Cat.3; R68 T; R23/24/25 C; R34
2-CHLOROPHENOL (RING-D4, 99%)	(CAS No) 93951-73-6 (EC no) 202-433-2 (EC index no) 604-008-00-0	0.15	Xn; R20/21/22 N; R51/53
P-CRESOL (D8, 98%)	(CAS No) 190780-66-6 (EC no) 203-398-6	0.15	T; R24/25 C; R34
NITROBENZENE-D5 (D, 99%)	(CAS No) 4165-60-0 (EC no) 202-716-0 (EC index no) 609-003-00-7	0.15	Carc.Cat.3; R40 Repr.Cat.3; R62 Repr.Cat.3; R63 T; R23 Xn; R22 N; R51/53 R48
2-NITROPHENOL (RING-D4, 98%)	(CAS No) 88-75-5 (Unlabeled) (EC no) 201-857-5	0.15	Xn; R22 Xi; R36 Xi; R37 Xi; R38
2,4-DICHLOROPHENOL (RING-D3, 98%)	(CAS No) 93951-74-7 (EC no) 204-429-6 (EC index no) 604-011-00-7	0.15	T+; R28 T; R24 T; R23/25 N; R51/53
4-NITROPHENOL (RING-D4, 98%)	(CAS No) 93951-79-2 (EC no) 202-811-7 (EC index no) 609-015-00-2	0.15	T; R25 Xn; R20 Xn; R21 N; R51/53 R48
FLUORENE (D10, 98%)	(CAS No) 81103-79-9 (EC no) 201-695-5	0.15	Carc.Cat.1; R45 N; R50/53
4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98%)	(CAS No) 534-52-1 (Unlabeled) (EC no) 208-601-1 (EC index no) 609-020-00-X	0.15	Xn; R22 Xi; R36
DIMETHYL PHTHALATE (DIMETHYL-D6, 99%)	(CAS No) 85448-30-2 (EC no) 205-011-6	0.15	R52
4-CHLOROANILINE (RING-D4, 98%)	(CAS No) 191656-33-4 (EC no) 203-401-0 (EC index no) 612-137-00-9	0.15	Carc.Cat.1; R45 T; R23/24/25 N; R50/53
ANTHRACENE (D10, 98%) substance listed as REACH Candidate (Anthracene)	(CAS No) 1719-06-8 (EC no) 204-371-1	0.15	Xi; R36/37/38 N; R50/53

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Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(CAS No) 1665-00-5 (EC no) 000-838-9 (EC index no) 602-004-00-3	97.65	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 STOT SE 3, H335 STOT RE 2, H373
(CAS No) 93951-97-4 (EC no) 205-917-1	0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(CAS No) 63466-71-7 (EC no) 200-028-5 (EC index no) 601-032-00-3	0.15	Not classified
(CAS No) 1718-52-1 (EC no) 204-927-3	0.15	Not classified
(CAS No) 93952-02-4 (EC no) 203-870-1	0.15	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Carc. 2, H351
(CAS No) 4165-62-2 (EC no) 203-632-7 (EC index no) 604-001-00-2	0.15	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Muta. 2, H341
(CAS No) 93951-73-6 (EC no) 202-433-2 (EC index no) 604-008-00-0	0.15	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Aguatic Chronic 2, H411
(CAS No) 190780-66-6 (EC no) 203-398-6	0.15	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 1 (Inhalation), H330
(CAS No) 4165-60-0 (EC no) 202-716-0 (EC index no) 609-003-00-7	0.15	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Carc. 2, H351 Repr. 2, H361 STOT RE 1, H372 Aquatic Chronic 2, H411
(CAS No) 88-75-5 (Unlabeled) (EC no) 201-857-5	0.15	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Chronic 3, H412
(CAS No) 93951-74-7 (EC no) 204-429-6 (EC index no) 604-011-00-7	0.15	Acute Tox. 2 (Oral), H300 Carc. 2, H351
(CAS No) 93951-79-2 (EC no) 202-811-7 (EC index no) 609-015-00-2	0.15	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373 Aquatic Chronic 2, H411
(CAS No) 81103-79-9 (EC no) 201-695-5	0.15	Not classified
(CAS No) 534-52-1 (Unlabeled) (EC no) 208-601-1 (EC index no) 609-020-00-X	0.15	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(CAS No) 85448-30-2	0.15	Not classified
	(CAS No) 1665-00-5 (EC no) 000-838-9 (EC index no) 602-004-00-3           (CAS No) 93951-97-4 (EC no) 200-917-1           (CAS No) 63466-71-7 (EC no) 200-917-1           (CAS No) 63466-71-7 (EC no) 200-928-5 (EC index no) 601-032-00-3           (CAS No) 1718-52-1 (EC no) 204-927-3           (CAS No) 93952-02-4 (EC no) 203-870-1           (CAS No) 4165-62-2 (EC no) 203-832-7 (EC index no) 604-001-00-2           (CAS No) 93951-73-6 (EC no) 202-433-2 (EC index no) 604-008-00-0           (CAS No) 190780-66-6 (EC no) 202-716-0 (EC no) 203-398-6           (CAS No) 4165-60-0 (EC no) 202-716-0 (EC index no) 609-003-00-7           (CAS No) 88-75-5 (Unlabeled) (EC no) 201-857-5           (CAS No) 93951-74-7 (EC index no) 609-013-00-7           (CAS No) 93951-74-7 (EC no) 204-429-6 (EC index no) 609-011-00-7           (CAS No) 93951-74-7 (EC no) 204-429-6 (EC index no) 609-015-00-2           (CAS No) 81103-79-9 (EC no) 201-695-5           (CAS No) 81103-79-9 (EC no) 208-601-1 (EC index no) 609-015-00-2	CAS No) 1665-00-5 (EC no) 000-838-9 (EC index no) 602-004-00-3         97.65           (CAS No) 93951-97-4 (EC no) 205-917-1         0.15           (CAS No) 63466-71-7 (EC no) 200-028-5 (EC index no) 601-032-00-3 (CAS No) 1718-52-1         0.15           (CAS No) 93952-02-4 (EC no) 204-927-3         0.15           (CAS No) 1718-52-1 (EC no) 203-870-1         0.15           (CAS No) 93952-02-4 (EC no) 203-870-1         0.15           (CAS No) 93951-73-6 (EC no) 202-433-2 (EC index no) 604-001-00-2         0.15           (CAS No) 93951-73-6 (EC no) 202-433-2 (EC index no) 604-008-00-0         0.15           (CAS No) 190780-66-6 (EC no) 202-716-0 (EC no) 202-716-0 (EC index no) 609-003-00-7         0.15           (CAS No) 190780-66-6 (EC no) 202-716-0 (EC index no) 609-003-00-7         0.15           (CAS No) 190780-66-6 (EC no) 202-716-0 (EC index no) 609-003-00-7         0.15           (CAS No) 190780-66-6 (EC index no) 609-003-00-7         0.15           (CAS No) 190780-66-6 (EC index no) 609-015-00-2         0.15           (CAS No) 93951-74-7 (EC no) 201-857-5         0.15           (CAS No) 93951-74-7 (EC no) 201-857-5         0.15           (CAS No) 93951-74-7 (EC index no) 609-015-00-2         0.15           (CAS No) 93951-73-2 (EC index no) 609-015-00-2         0.15           (CAS No) 81103-79-9 (CAS No) 534-52-1 (Unlabeled) (EC index no) 609-020-00-X         0.15

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4-CHLOROANILINE (RING-D4, 98%)	(CAS No) 191656-33-4 (EC no) 203-401-0 (EC index no) 612-137-00-9	0.15	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
ANTHRACENE (D10, 98%) substance listed as REACH Candidate (Anthracene)	(CAS No) 1719-06-8 (EC no) 204-371-1	0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410
Name	Product identifier	%	Classification (GHS-US)
METHYLENE CHLORIDE-D2 (D, 99.8%)	(CAS No) 1665-00-5	97.65	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H336 STOT SE 3, H335 STOT RE 2, H373
BIS(2-CHLOROETHYL)ETHER (D8, 98%)	(CAS No) 93952-02-4	0.15	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Carc. 2, H351
NITROBENZENE-D5 (D, 99%)	(CAS No) 4165-60-0	0.15	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Carc. 2, H351 Repr. 2, H361 STOT RE 1, H372 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,4-DICHLOROPHENOL (RING-D3, 98%)	(CAS No) 93951-74-7	0.15	Acute Tox. 2 (Oral), H300 Carc. 2, H351 Aquatic Acute 2, H401
4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98%)	(CAS No) 534-52-1 (Unlabeled)	0.15	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Call a POISON CENTER or doctor/physician.
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with wate for several minutes.
First-aid measures after ingestion	: Rinse mouth. Obtain emergency medical attention. Immediately call a POISON CENTER or doctor/physician.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.
Symptoms/injuries after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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	0		
		attention and special treatment neede	ed
No additional information available			
SECTION 5: Firefighting			
5.1. Extinguishing media suitable extinguishing media		: Use water spray, alcohol-resistant for	am, dry chemical, or carbon dioxide.
5.2. Special hazards aris			
Fire hazard	-	: Highly flammable liquid and vapor.	
Explosion hazard		: May form flammable/explosive vapor-	-air mixture.
Reactivity		: Vapor is explosive with air above.	
5.3. Advice for firefighter	rs		
Protection during firefighting		: Do not enter fire area without proper	protective equipment, including respiratory protection.
<b>SECTION 6: Accidental</b>	release measu	Ires	
6.1. Personal precaution	s, protective equi	pment and emergency procedures	
General measures	:	: Remove ignition sources. Use specia smoking.	I care to avoid static electric charges. No naked lights. No
6.1.1. For non-emergency	personnel		
Emergency procedures	:	: Use personal protective equipment. A ventilation. Evacuate personnel to sat	Avoid breathing vapors, mist, or gas. Ensure adequate fe area.
6.1.2. For emergency resp No additional information availa			
6.2. Environmental preca	autions		
Prevent further leakage or spilla		Do not let product enter drains.	
6.3. Methods and materia	-		
For containment			and dispose of as hazardous waste. Keep in suitable,
6.4. Reference to other s	ections		
No additional information availal	ble		
<b>SECTION 7: Handling ar</b>	nd storage		
7.1. Precautions for safe			
Additional hazards when proces	sed	: Handle empty containers with care be	ecause residual vapors are flammable.
Precautions for safe handling	:		ly non-sparking tools. Obtain special instructions before cautions have been read and understood. Use only
Hygiene measures	:	: Handle in accordance with good industrian breaks and at the end of workday.	strial hygiene and safety practice. Wash hands before
7.2. Conditions for safe s	storage, including	any incompatibilities	
Technical measures	:	: Proper grounding procedures to avoid container and receiving equipment.	d static electricity should be followed. Ground/bond
Storage conditions		: Store at room temperature away from	light and moisture.
Incompatible materials	:	: Heat sources.	
7.3. Specific end use(s)			
No additional information availa	ble		
SECTION 8: Exposure c	ontrols/perso	nal protection	
8.1. Control parameters			
		N 2000 UG/ML IN METHYLENE CHLC	
Italy - Portugal - USA ACGIH	ACGIH TWA (pp	m)	50.000000000 ppm Central Nervous System impairment, Carboxyhemoglobinemia substances (see BEI)
METHYLENE CHLORIDE-D2	(D, 99.8%) (1665-	00-5)	
Italy - Portugal - USA ACGIH	ACGIH TWA (pp		50.000000000 ppm Central Nervous System impairment, Carboxyhemoglobinemia substances (see BEI)
USA OSHA	OSHA PEL (STE	EL) (ppm)	125.000000000 ppm
30/11/2015		EN (English US)	7/20

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BIS(2-CHLOROETHYL)ETHE	R (D8, 98%) (93952-02-4)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	5.0000000000 ppm Eye & Upper Respiratory Tract irritation. Nausea.
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	10.0000000000 ppm Eye & Upper Respiratory Tract irritation. Nausea.
USA OSHA	OSHA PEL (TWA) (ppm)	5.000000000 ppm Skin notation.
USA OSHA	OSHA PEL (STEL) (ppm)	10.000000000 ppm Skin notation.
PHENOL (RING-D5, 98%) (41	65-62-2)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	5.0000000000 ppm Central Nervous System impairment.Upper Respiratory Tract irritation.Lung damage
USA OSHA	OSHA PEL (TWA) (ppm)	5.000000000 ppm Skin notation
P-CRESOL (D8, 98%) (19078)	0-66-6)	
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	22.000000000 mg/m <sup>3</sup> Skin contact does contribute to exposure.
USA OSHA	OSHA PEL (TWA) (ppm)	5.0000000000 ppm Skin contact does contribute to exposure.
NITROBENZENE-D5 (D, 99%)	) (4165-60-0)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1.0000000000 ppm Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (TWA) (ppm)	1.000000000 ppm Skin notation.
4,6-DINITRO-2-METHYLPHEI	NOL (RING-D2, 98%) (534-52-1 (Unlabeled	
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.200000000 mg/m <sup>3</sup> Basal metabolism. Danger of cutaneous absorption
USA OSHA	OSHA PEL (TWA) (mg/m3)	0.200000000 mg/m <sup>3</sup> Skin notation
DIMETHYL PHTHALATE (DIN	METHYL-D6, 99%) (85448-30-2)	
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5.0000000000 mg/m <sup>3</sup> Eye & Upper Respiratory Tract irritation.
USA OSHA	OSHA PEL (TWA) (mg/m3)	5.000000000 mg/m <sup>3</sup>
4-CHLOROANILINE (RING-D	4, 98%) (191656-33-4)	
USA OSHA	OSHA PEL (TWA) (ppm)	5.0000000000 ppm Skin contact does contribute to exposure
ANTHRACENE (D10, 98%) (1	719-06-8)	
USA OSHA	OSHA PEL (TWA) (mg/m3)	0.200000000 mg/m³
BENZO[A]PYRENE (D12, 97%	%) (63466-71-7)	
USA OSHA	OSHA PEL (TWA) (mg/m3)	0.200000000 mg/m <sup>3</sup> Exposure should be carefully controlled to levels as low as possible.
PYRENE (D10, 98%) (1718-52	2-1)	
USA OSHA	OSHA PEL (TWA) (mg/m3)	0.200000000 mg/m <sup>3</sup>

Personal protective equipment

: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



Hand protection Eye protection Skin and body protection Respiratory protection

: Wear suitable protective clothing and gloves.

: Wear safety glasses with side shields (or goggles) and a face shield.

: Wear suitable protective clothing.

: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	chemical properties
The properties listed below are for the solvent, the main comp	onent of this mixture.
Physical state	: Liquid
Appearance	: Liquid.
Aolecular mass	: 86.95 (Labeled)
Color	: Colourless.
Ddor	: Sweet, penetrating, ether-like odor.
Ddor threshold	: No data available
н	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Aelting point	: -97 °C (-143 °F)
reezing point	: No data available
Boiling point	: 39.8 - 40 °C (103.6 - 104 °F)
Flash point	: No data available
Self ignition temperature	: 556.1 °C (1,033.0 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapor
/apor pressure	: 470.9 hPa (353.2 mmHg) at 20.0 °C (68.0 °F)
Relative vapor density at 20 °C	: 2.93 - (Air = 1.0)
Relative density	: No data available
Solubility	: No data available
log Pow	: No data available
.og Kow	: No data available
/iscosity, kinematic	: No data available
/iscosity, dynamic	: No data available
	: No data available
Explosive properties	: No data available
Dxidizing properties	
Explosive limits	: 12 - 19 % (V)
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivit	у
I0.1. Reactivity	
/apor is explosive with air above.	
0.2. Chemical stability	
See storage and expiration date on CoA.	
<b>.</b>	
0.3. Possibility of hazardous reactions	
No additional information available	
0.4. Conditions to avoid	
Open flame. Direct sunlight.	
10.5. Incompatible materials	
-	ts, Bases, Amines, Magnesium. Strong acids and strong bases, Vinyl compounds.
0.6. Hazardous decomposition product	
May release flammable gases.	
SECTION 11: Toxicological information	ation
11.1. Information on toxicological effect	S
Acute toxicity	: Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled.
CLP SEMI-VOLATILES DMC STOCK SOLU	TION 2000 UG/ML IN METHYLENE CHLORIDE-D2
LD50 oral rat	1600 mg/kg
LC50 inhalation rat (mg/l)	52000 mg/m <sup>3</sup>
ATE (oral)	1600.000 mg/kg body weight
ATE (dermal)	300.000 mg/kg body weight
	700.000 ppm///4b

ATE (gases)

700.000 ppmV/4h

EN (English US)

## Safety Data Sheet

Core default OLENTED Since Order Solution 7 2000 Data in mile Inter Ente Order OLE           ATE (data, misi)         0.900 mg/dm           ATE (data, misi)         0.900 mg/dm           LDS0 not rat         1000 mg/kg           LDS0 not rat         1000 mg/kg body wight           ATE (data, misi)         15000 mg/kg body wight           ATE (data, misi)         1500 om g/kg body wight           ATE (data, misi)         52.000 mg/kg hody wight           ATE (data, misi)         50.000 mg/kg hody wight           ATE (data, misi)         50.000 mg/kg hody wight           ATE (data, misi)         50.000 mg/kg hody wight           LDS0 demain rabbit         50.000 mg/kg hody wight           ATE (data, misi)         0.000 mg/kg hody wight	CLP SEMI-VOLATILES DMC STOCK SOLUT	TION 2000 UG/ML IN METHYLENE CHLORIDE-D2
ATE (ada, mai)0.500 mg/4hMETHYLENE CHLORIDE-02 (0) 99% (0) (000 mg/s [000 mg/s]LEG0 initiation rat (mg/)62000 mg/s [000 mg/s]ATE (dram)1100.000 mg/s [000 wg/s]t1ATE (dram)1100.000 mg/s [000 wg/s]t1ATE (dram)52.000 mg/d/ahDBGs-CHLOROETHYLETHER (08, 99% (03552-200-2000 mg/d/ah)32.000 mg/d/ahDBGs-CHLOROETHYLETHER (08, 99% (03552-2000 mg/d/ah)32.000 mg/s[n d/ah]DBGs-CHLOROETHYLETHER (08, 99% (03552-2000 mg/d/ah)32.000 mg/s[n d/ah]DBGs-CHLOROETHYLETHER (08, 99% (03552-2000 mg/s]32.000 mg/s[n d/ah]LEG0 initiation rat (mg/l)330 mg/s[n d/ah]ATE (dram)100.000 mg/s [000 wg/s[n d/ah]ATE (dram)100.000 mg/s [000 wg/s]ATE (dram)0.000 mg/s[n d/ah]ATE (dram)0.000 mg/s[n d/ah]ATE (dram)0.000 mg/s[n d/ah]LEG0 on land410.0-650 mg/s[nLEG0 on land410.0-650 mg/s[nLEG0 on land410.0-650 mg/s[nLEG0 on land410.0-650 mg/s[nLEG0 on land410.000 mg/s[n d/ah]LEG0 on land410.000 mg/s[n d/ah]LEG0 on land410.000 mg/s[n d/ah]LEG0 on land50.000 mg/s[n d/ah]		
Descent and         1600 mg/kg           LB00 can lard         1600 mg/kg           LB00 can lard         1600 000 mg/kg body weight           ATE (cran)         1500000 mg/kg body weight           ATE (cran)         52.000 mg/kd hody weight           ATE (stama)         52.000 mg/kd hody           BIS/2-CHLOROETHYLETHER (D8, 98%) (3335-24-4)         100.000 mg/kg body weight           LB00 can lard         75.0 mg/kg           LB00 can lard         90.0 mg/kg           LB00 can lard         90.0 mg/kg           LB00 can lard         50.000 mg/kg body weight           ATE (stama)         0.050 mg/kd hod           ATE (stama)         0.050 mg/kd hod           PHENL (RING-D5, 98%) (r165-62-27)         1000 mg/kg body weight           LB00 can lard         410.0 -650.0 mg/kg body weight           ATE (stama)         0.050 mg/kd hod           LE00 inhalation rat (rng1)         900 mg/m 8 h           LB00 can lard         61.000 mg/kg body weight           ATE (stama)         0.300 mg/kg body weight           ATE (stama)         0.300 mg/kg body weight		
LB50 art at1600 mg/mLC50 inhalitor nt (mg)1500.000 mg/m bdv weightATE (oran)1500.000 mg/m bdv weightATE (darsn)52.000 mg/mATE (darsn)52.000 mg/mATE (darsn)52.000 mg/mATE (darsn)52.000 mg/mDS00 art at000 mg/mDS00 art at000 mg/mDS00 art at000 mg/mDS00 art at abbit000 mg/mDS00 art at abbit000 mg/mDS00 art at abbit000 mg/mDS00 art at abbit0.000 mg/m bdv weightATE (oran)0.050 mg/mATE (oran)0.050 mg/mATE (arsn)0.050 mg/mATE (arsn)0.050 mg/mATE (arsn)0.050 mg/mATE (arsn)0.050 mg/mATE (arsn)0.050 mg/mATE (arsn)0.050 mg/mDS0 art at abbit0.050 mg/mLC50 art at abbit0.050 mg/mLC50 art at abbit0.000 mg/m b bATE (arsn)0.000 mg/m bDS0 ard	· · · · · ·	
LC90 indpair         52000 mg/m           ATE (coma)         190 0000 mg/kg body weight           ATE (coma)         52.000 mg/kg body weight           ATE (cota)         52.000 mg/kg body weight           ATE (cota)         52.000 mg/kg body weight           ATE (cota)         52.000 mg/kg           DS0 cotal rat         75.0 mg/kg           LD90 demai rabbit         90.0 mg/kg body weight           ATE (cota)         50.000 mg/kg body weight           ATE (cota)         50.000 mg/kg body weight           ATE (cota)         50.000 mg/kg body weight           ATE (cota)         60.000 pm/kg body weight           ATE (cota)         0.000 pm/kg body weight           ATE (cota)         0.000 mg/kg body weight           ATE (cota)         0.000 mg/kg body weight           ATE (cota)         60.000 mg/kg body weight           ATE (cota)         0.900 mg/kg body weight           ATE (cota)         67.000 mg/kg body weight           ATE (cot		
ATE (orm)         160.000 mg/kg body weight           ATE (orma)         52.000 mg/kg body weight           ATE (dama)         52.000 mg/kg           ATE (data, misi)         52.000 mg/kg           Disc Octo DOCT TVL/ETTER (DS, 98%) (03952-02-4)         100.000 mg/kg body weight           LD50 oren in tabili         90.0 mg/kg           LD50 oren in tabili         90.0 mg/kg           LD50 oren in tabili         90.0 mg/kg body weight           ATE (arma)         50.000 mg/kg body weight           ATE (arma)         50.000 mg/kg body weight           ATE (arma)         0.000 mg/kg body weight           ATE (arma)         410.0 - 660.0 mg/kg           LD50 ord arta         410.0 - 660.0 mg/kg body weight           ATE (arma)         410.0 - 660.0 mg/kg body weight           ATE (arma)         410.0 - 660.0 mg/kg body weight           ATE (arma)         630.0 mg/		
ATE (demai)100.000 mg/kg body weightATE (dusr, mis)52.000 mg/k4BIS/2-CHLOROETHYLJETHER (DS, 98%) (0982-02-4)LD50 orl arta75.0 mg/kgLD50 orl arta50.0 mg/kgLD50 orl arta90.0 mg/kg body weightATE (dural, mis)90.000 mg/kg body weightATE (dural, mis)0.0000 mg/kg body weightATE (dural, mis)100.000 mg/kg body weightATE (dural, mis)200 mg/kgDSO orl arta49.0 mg/kgCHUCPOCPHENOL (RINC-D4. 99%) (93.075.0LD50 demai rabbit0.000 mg/kg body weightATE (dural, mis)55.000 mg/kg </td <td>( <b>3</b> )</td> <td>· · · · ·</td>	( <b>3</b> )	· · · · ·
ATE (qust, mist)         52.000 mg/(4h)           ATE (qust, mist)         52.000 mg/(4h)           B6(2-CHL CORCTHYL)ETHER (D8, 98%) (93952-02-4)         1000 mg/kg           LD90 oral rat         9.00 mg/kg           LD90 oral rat bable         9.00 mg/kg           LD90 oral rat fabble         9.00 mg/kg body weight           ATE (cran)         50.000 mg/kg body weight           ATE (sran)         50.000 mg/kg body weight           ATE (sran)         0.050 mg/4h           ATE (vapors)         0.050 mg/4h           ATE (vapors)         0.050 mg/4h           ATE (vapors)         0.050 mg/4h           ATE (vapors)         0.050 mg/4h           DP60 oral rat         60.00 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg body weight           ATE (cran)         410.000 mg/kg body weight           ATE (dran)         0.000 mg/kg body weight           ATE (dran)         0.000 mg/kg body weight           ATE (dran)         670.0 mg/kg body weight           ATE (dran)         100.000 mg/kg body weight           ATE (dran)         100.000 mg/kg body weight           ATE (dran)         100.000 mg/k		
ATE (dust, misi)         52.000 mg/k4h           BIG2-CHLOROETHYLJETHER (D8, 98%) 0335-24-3           LD50 orlar at         50. 0ng/kg           LD50 dermal rabbit         90.0 mg/kg           LD50 dermal rabbit         90.0 mg/kg body weight           ATE (ran)         10.000 pm/kg body weight           ATE (ran)         0.050 mg/kg body weight           ATE (rans)         0.050 mg/k4 h           ATE (rans)         0.050 mg/k4 h           ATE (rans)         0.050 mg/k4 h           PHENL (RINC-D5, 98%) (A165-62-2)         Doods mg/k9           LD50 darlar         410.0 - 650.0 mg/k9           LD50 darlar labbt         630.0 mg/k9           LD50 darlar labbt         630.00 mg/k9 body weight           ATE (rans)         0.090 mg/k4 h           LD50 darlar labbt         630.000 mg/k9 body weight           ATE (rans)         0.900 mg/k4 h           LD50 darlar labbt         630.000 mg/k9 body weight           ATE (rans)         0.900 mg/k4 h           DS0 call at         670.000 mg/k9 body weight           ATE (rans)         1.900 mg/k9 body weight           ATE (rans)         1.900 mg/k9 body weight           ATE (rans)         970.00 mg/k9 body weight           ATE (rans)         970.00 mg/k9 body wei		
Bis/2-CHLOROETHYLJETHER (D8, 98%) (93952-02-4)           LD60 oral rat         75.0 mg/kg           LD50 oral rabbi         90.0 mg/kg           LC30 inhalation rat (mg/t)         330 mg/m² 4 h           ATE (oran)         50.000 mg/kg body weight           ATE (demail)         50.000 mg/kg body weight           ATE (demail)         0.000 mg/kg body weight           ATE (demail)         0.000 mg/kg body weight           ATE (desses)         10.000 pm/kl           DE60 of mail rabbit         0.005 mg/l/4h           PHENDL (RING-D5, 98%) (d165-62-2)            LD50 of at rat         410.0 - 650.0 mg/kg           LD50 oral rat         630.0 mg/kg odw weight           ATE (demail)         630.0 mg/kg body weight           ATE (demail)         0.900 mg/kg body weight           ATE (demail)         1.00.000 mg/kg body weight           ATE (demail)         1.00.000 mg/kg body weight		
LD80 carl at76.0 mg/kgLD60 carl at at90.0 mg/kgLD60 carl at at330 mg/m² hATE (carl)100.000 mg/kg body weightATE (darsa)10.000 pm/V4hATE (darsa)0.0500 mg/kg body weightATE (darsa)0.0500 mg/kg body weightATE (darsa, mist)0.0050 mg/V4hDE50 carl at410.0 - 550.0 mg/kgLD50 darmal rabbit630.0 mg/kg body weightATE (carl)410.0 - 650.0 mg/kgLD50 darmal rabbit630.000 mg/kg body weightATE (carl)410.0 - 650.0 mg/kgLD50 darmal rabbit630.000 mg/kg body weightATE (carl)630.000 mg/kg body weightATE (carl)630.000 mg/kg body weightATE (darsa)0.300 mg/k4 hATE (darsa)0.300 mg/kg body weightATE (darsa)0.300 mg/kg body weightATE (darsa)670.0 mg/kgATE (darsa)100.000 mg/kg body weightATE (darsa)100.000 mg/kg body weightATE (darsa)100.000 mg/kg body weightATE (darsa)301.0 mg/kgDS0 carl at207.0 mg/kgLD50 carl at307.0 mg/kgLD50 carl at307.0 mg/kgLD50 carl at340.0 mg/kgLD50 carl at340.00 mg/kg body weightATE (carsa)340.00 mg/kg body weightATE (carsa)340.00 mg/kg body weight </td <td>,,</td> <td></td>	,,	
LDS0 demal rabbit90.0 mg/kgLGS0 inhalation rat (mg/l)330 mg/kg body weightATE (demal)50.000 mg/kg body weightATE (demal)50.000 mg/kg body weightATE (demal)0.050 mg/k4 hATE (dyopors)0.050 mg/k4 hATE (dyopors)0.050 mg/k4 hATE (dyopors)0.050 mg/k4 hDE50 oral rat410.0 c50.0 mg/kgLDS0 oral rat b630.0 mg/kgLDS0 oral rat b630.0 mg/kg orgLDS0 oral rat b630.0 mg/kg orgLDS0 demain rabbit630.0 mg/kg body weightATE (dyang)410.000 mg/kg body weightATE (dyopors)0.900 mg/k4 hATE (dyopors)0.900 mg/kg body weightATE (dyopors)1.900 mg/kg body weightATE (dyopors)0.900 mg/kg body weightATE (dyopors)1.900 mg/kg body weightATE (dyopors)0.900 mg/kg body weightATE (dyopors)3.900 mg/kg body weightATE (dyopors)3.900 mg/kg body weightATE (dyopors)3.9		
LCS0 inhalation rat (mg/t)         330 mg/m² 4 h           ATE (otra)         100.000 mg/kg body weight           ATE (darma)         50.000 mg/kg body weight           ATE (gases)         10.000 pm/V4h           ATE (gases)         0.005 mg/V4h           ATE (dust, mist)         0.005 mg/V4h           DES0 carl at         410.0 - 650.0 mg/kg           LDS0 dermal rabbit         630.0 mg/kg body weight           ATE (dust, mist)         900 mg/m² h           ATE (dust, mist)         0.000 mg/kg body weight           ATE (dust, mist)         630.0 mg/kg body weight           ATE (dust, mist)         0.900 mg/Ha           ATE (dust, mist)         0.900 mg/kg           ATE (dust, mist)         100.000 mg/kg body weight           ATE (dust, mist)         1.900.000 mg/kg body weight           ATE (dust, mist)         1.900.000 mg/kg body weight           ATE (dust, mist)         1.900.000 mg/kg body weight           ATE (dust, mist)         3.000 mg/kg           DSO and at<		
ATE (oral)         100.000 mg/kg body weight           ATE (demai)         50.000 mg/kg body weight           ATE (spaces)         1.00.00 pm//v/h           ATE (dyapors)         0.050 mg/kg           ATE (dyapors)         0.050 mg/kg           PHENL (RING-D5.98%) (4165-62-2)         LD50 oral rat           LD50 daral rabbit         630.0 mg/kg           LD50 daral rabbit         630.0 mg/kg body weight           ATE (dyapors)         0.900 mg/kg body weight           ATE (dyapors)         1.500 mg/kg           DS0 oral rat         207.0 mg/kg body weight           ATE (dyapors)         1.500 mg/kg           DS0 oral rat         207.0 mg/kg           DS0 oral rat         207.0 mg/kg           DS0 oral rat         30.0 0 mg/kg body weight           ATE (dyapors		
ATE (demai)         50.000 mg/kg bcdy weight           ATE (qases)         0.000 ppm//4h           ATE (dast, mist)         0.050 mg/l4h           ATE (dast, mist)         0.050 mg/l4h           DES0 oral rat         410.0 - 650.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 dermal rabbit         630.00 mg/kg body weight           ATE (dast, mist)         900 mg/m 8 h           ATE (dast, mist)         0.000 mg/kg body weight           ATE (dast, mist)         0.000 mg/kg body weight           ATE (dast, mist)         0.900 mg/kg body weight           ATE (dast, mist)         1.900 000 mg/kg body weight           ATE (dast, mist)         0.900 mg/kg body weight           ATE (dast, mist)         0.900 mg/kg body weight           ATE (dast, mist)         30.10 mg/kg           LD50 oral rat <td></td> <td></td>		
ATE (gases)         10.000 ppm//4h           ATE (gases)         0.050 mg/4h           ATE (tyopors)         0.055 mg/4h           PHENOL (RING-D5, 98%) (4165-62-2)         LDS0 oral rat           LDS0 dernal rabbit         630.00 mg/kg           LCS0 inholation rat (mg/l)         900 mg/kg body weight           ATE (tyopors)         0.900 mg/kg body weight           ATE (totamis)         0.900 mg/kg body weight           ATE (totamis)         0.900 mg/kg body weight           ATE (totamis)         1100.000 mg/kg body weight           ATE (totamis)         1100.000 mg/kg body weight           ATE (totamis)         1100.000 mg/kg body weight           ATE (dust, mist)         0.900 mg/kg           DSO oral rat         207.0 mg/kg           LDSO dermal rabbit         30.10 mg/kg           LDSO oral rat         207.0 mg/kg           LDSO oral rat         207.0 mg/kg           LDSO oral rat         249.00 mg/kg body weight           ATE (totamis)         30.00 mg/kl           LDSO or		
ATE (aports)0.050 mg/l4hATE (dust, mist)0.005 mg/l4hDEBOD (RING-D5, 98%) (4165-62-2)ED50 oral ratLD50 oral rat630.0 mg/kgLD50 oral rat630.0 mg/kgLD50 oral rat630.00 mg/kg body weightATE (drmal)630.000 mg/kg body weightATE (drmal)630.000 mg/kg body weightATE (drmal)0.900 mg/l4hATE (drmal)0.900 mg/l4hATE (drug)670.00 mg/kg body weightATE (drug)670.000 mg/kg body weightATE (drug)670.000 mg/kg body weightATE (drug)1100.000 mg/kg body weightATE (drug)100.000 mg/kg body weightATE (drug)100.000 mg/kg body weightATE (drug)340.00 mg/kgLD50 oral rat207.0 mg/kgLD50 oral rat340.00 mg/kgLD50 oral rat340.00 mg/kgLD50 oral rat349.00 mg/kgLD50 oral rat349.00 mg/kgLD50 oral rat349.00 mg/kgLD50 oral rat340.00 mg/kg body weightATE (drug)340.00 mg/kg body weightATE (drug)340.00 mg/kg body weightATE (drug)334.00 mg/kgLD50 oral rat334.00 mg/kgLD50 oral rat34.00 mg/kg body weightATE (drug)334.00 mg/kg body weightAT	. ,	
ATE (dust, mist)         0.005 mg/l/4h           PHENOL (RING-D5, 98%) (4165-62-2)         -           LD50 orar lrat         410.0 - 650.0 mg/kg           LC50 inhialation rat (mg/l)         900 mg/m 8 h           ATE (oran)         630.0 00 mg/kg body weight           ATE (oran)         630.0 00 mg/kg body weight           ATE (duran)         630.0 00 mg/kg body weight           ATE (duran)         0.900 mg/l/4h           ATE (duran)         0.900 mg/kg body weight           ATE (duran)         670.000 mg/kg body weight           ATE (duran)         100.000 mg/kg body weight           ATE (duran)         301.0 mg/kg           LD50 oral rat         207.0 mg/kg           LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.0 0mg/kg body weight           A		
PHENOL (RING-05, 98%) (4165-62-2)           LD50 orai rat         410.0 - 650.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg body weight           ATE (oral)         410.000 mg/kg body weight           ATE (vapors)         0.900 mg/kg body weight           ATE (vara)         670.000 mg/kg body weight           ATE (vara)         1100.000 mg/kg body weight           DS0 oral rat         207.0 mg/kg           LD50 oral rat         207.0 mg/kg           LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (mg/t)         > 710 mg/m3 1 h           NTROBENZENE-DS (D, 99%) (4165-60-0)           LD50 oral rat		
LD50 orai rat         410.0 - 650.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 dermal rabbit         630.0 mg/kg           LD50 inhaliation rat (mg/t)         900 mg/mg body weight           ATE (cran)         410.0000 mg/kg body weight           ATE (starmal)         630.000 mg/kg body weight           ATE (ust, mist)         0.900 mg/t/4h <b>2-CHLOROPHENOL (RING-D4, 99%) (93951-73-6)</b> LD50 oral rat           LD50 oral rat         670.000 mg/kg body weight           ATE (dust, mist)         1100.000 mg/kg body weight           ATE (dust, mist)         1100.000 mg/kg body weight           ATE (dust, mist)         1500 mg/kg           D50 oral rat         207.0 mg/kg           LD50 oral rat         209.99% (d165-60-9)           LD50 oral rat         209.99% (d165-60-9)           LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.0 mg/kg           LD50 oral rat         349	ATE (dust, mist)	0.005 mg/l/4h
LD50 dermal rabbit         630.0 mg/kg           LCS0 inhalation rat (mg/l)         900 mg/m³ 8 h           ATE (ora)         410.000 mg/kg body weight           ATE (dermal)         630.000 mg/kg body weight           ATE (dermal)         630.000 mg/kg body weight           ATE (dermal)         0.900 mg/l/ah           2CHLOROPHENOL (RING-D4, 99%) (93951-73-            LD50 oral rat         670.0 mg/kg           ATE (dermal)         1100.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/l/ah           PCRESOL (D8, 98%) (190780-66-6)            LD50 oral rat         207.0 mg/kg           LD50 dermal rabbit         301.0 mg/kg           LD50 dermal rabbit         304.0 mg/kg           LC50 inhalation rat (ppm)         566 pm 4 h           ATE (draa)         349.000 mg/kg body weight           ATE (draa)         349.000 gm/kg body weight           ATE (draa)         349.000 gm/kg body weight           ATE (draa)	PHENOL (RING-D5, 98%) (4165-62-2)	
LC50 inhalation rat (mg/l)         900 mg/m <sup>3</sup> 8 h           ATE (crai)         410.000 mg/kg body weight           ATE (drai)         630.000 mg/kg body weight           ATE (vapors)         0.900 mg/l/4h           ATE (dust, mist)         0.900 mg/l/4h           ATE (dust, mist)         0.900 mg/kg body weight           ATE (dust, mist)         670.000 mg/kg body weight           ATE (dust, mist)         670.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/kg           LD50 or ari rat         207.0 mg/kg           LD50 or ari rat         207.0 mg/kg           LD50 or ari rat         301.0 mg/kg           LC50 inhalation rat (mg/l)         > 710 mg/m <sup>3</sup> 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 or ari rat         349.0 mg/kg           LC50 inhalation rat (ppm)         566 ppm 4 h           ATE (cases)         700.000 pm/v/ah           ATE (cases)         700.000 pm/v/ah           ATE (vapors)         334.0 000 mg/kg body weight           ATE (vapors)         334.0 000 mg/kg body weight           2-NITROPHENOL (	LD50 oral rat	410.0 - 650.0 mg/kg
ATE (oral)         410.000 mg/kg body weight           ATE (dermal)         630.000 mg/kg body weight           ATE (dust, mist)         0.900 mg/k/ah           ATE (dust, mist)         0.900 mg/k/ah           2-CHLOROPHENOL (RING-D4, 99%) (93951-73-6)            LD50 oral rat         670.00 mg/kg body weight           ATE (oral)         670.000 mg/kg body weight           ATE (dust, mist)         1100.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/kg body weight           ATE (dust, mist)         501 mg/kg           LD50 oral rat         207.0 mg/kg           LD50 oral rat         207.0 mg/kg           LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ng/n)         > 710 mg/m³ 1 h           NTROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ng/n)         565 ppm 4 h           ATE (vapors)         3000 mg/kg body weight           ATE (gases)         700.000 pg/kg body weight           ATE (vapors)         3.000 mg/kg body weight <td>LD50 dermal rabbit</td> <td>630.0 mg/kg</td>	LD50 dermal rabbit	630.0 mg/kg
ATE (dermal)         630.000 mg/kg body weight           ATE (duspors)         0.900 mg/k4h           ATE (dust, mist)         0.900 mg/k4h <b>2CHLOROPHENOL (RING-D4, 99%) (93951-73</b> -         670.000 mg/kg body weight           ATE (dust, mist)         670.000 mg/kg body weight           ATE (drama)         1100.000 mg/kg body weight           ATE (drama)         1100.000 mg/kg body weight           ATE (dust, mist)         1500 mg/k4 <b>P-CRESOL (D8, 98%) (190760-66-67</b> )            LD50 oran rat         207.0 mg/kg           LD50 oran rat (mg/l)         > 710 mg/kg           LD50 oran rat (mg/l)         > 710 mg/mg <sup>3</sup> 1 h <b>NITROENZENE-D5 (D, 99%) (4165-60-0)</b> LD50 oran rat (mg/l)         > 710 mg/mg <sup>3</sup> 1 h <b>NITROBENZENE-D5 (D, 99%) (4165-60-0)</b> LD50 oran rat (mg/l)         349.00 mg/kg           ATE (agase)         700.000 pm/kg           ATE (gases)         3000 mg/kg body weight           ATE (agase)         3000 mg/kg hody           ATE (dust, mist)         0.500 mg/kd <b>2.NITROPHENOL (RING-D4, 98%) (98-75- U</b> J           LD50 oran rat (bit)         > mg/kg           LD50 oran rat (bit)         > mg/kg <t< td=""><td>LC50 inhalation rat (mg/l)</td><td>900 mg/m³ 8 h</td></t<>	LC50 inhalation rat (mg/l)	900 mg/m³ 8 h
ATE (dermal)         630.000 mg/kg body weight           ATE (duspors)         0.900 mg/k4h           ATE (dust, mist)         0.900 mg/k4h <b>2CHLOROPHENOL (RING-D4, 99%) (93951-73</b> -         670.000 mg/kg body weight           ATE (dust, mist)         670.000 mg/kg body weight           ATE (drama)         1100.000 mg/kg body weight           ATE (drama)         1100.000 mg/kg body weight           ATE (dust, mist)         1500 mg/k4 <b>P-CRESOL (D8, 98%) (190760-66-67</b> )            LD50 oran rat         207.0 mg/kg           LD50 oran rat (mg/l)         > 710 mg/kg           LD50 oran rat (mg/l)         > 710 mg/mg <sup>3</sup> 1 h <b>NITROENZENE-D5 (D, 99%) (4165-60-0)</b> LD50 oran rat (mg/l)         > 710 mg/mg <sup>3</sup> 1 h <b>NITROBENZENE-D5 (D, 99%) (4165-60-0)</b> LD50 oran rat (mg/l)         349.00 mg/kg           ATE (agase)         700.000 pm/kg           ATE (gases)         3000 mg/kg body weight           ATE (agase)         3000 mg/kg hody           ATE (dust, mist)         0.500 mg/kd <b>2.NITROPHENOL (RING-D4, 98%) (98-75- U</b> J           LD50 oran rat (bit)         > mg/kg           LD50 oran rat (bit)         > mg/kg <t< td=""><td>ATE (oral)</td><td>410.000 mg/kg body weight</td></t<>	ATE (oral)	410.000 mg/kg body weight
ATE (vapors)         0.900 mg/l4h           ATE (dust, mist)         0.900 mg/l4h           2CHLOROPHENOL (RING-D4, 99%) (93951-73-6)            LD50 oral rat         670.0 mg/kg body weight           ATE (oral)         670.0 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/kg           DS0 oral rat         207.0 mg/kg           LD50 oral rat         301.0 mg/kg           LD50 oral rat         207.0 mg/kg           LD50 oral rat         301.0 mg/kg           LC50 inhalation rat (mg/l)         > 710 mg/mg <sup>1</sup> h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.00 mg/kg body weight           ATE (raa)         349.000 mg/kg body weight           ATE (raa)         349.000 mg/kg body weight           ATE (raa)         349.000 mg/kg body weight           ATE (raa)         3.000 mg/kg body weight           ATE (raa)         3.000 mg/kg body weight           ATE (raa)         334.000 mg/kg body weight           ATE (raa)         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral) <td></td> <td></td>		
ATE (dust, mist)         0.900 mg/l/4h           2-CHLOROPHENOL (RING-D4, 99%) (93951-73-6)         670.0 mg/kg body weight           ATE (oral)         670.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dermal)         100.000 mg/kg body weight           ATE (dermal)         100.000 mg/kg body weight           ATE (dermal)         100.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/l/4h           P-CRESOL (D8, 98%) (190780-66-6)         UD50 oral rat           LD50 oral rat         207.0 mg/kg           LD50 oral rat         301.0 mg/kg           LD50 oral rat         349.0 mg/kg           LD50 oral rat         549.0 mg/kg           LD50 oral rat         349.000 mg/kg body weight           ATE (oral)         349.000 pm/l/4h           ATE (oral)         349.000 mg/kg body weight           ATE (oral)         334.0 mg/kg           LD50 oral rat         334.0 mg/kg           LD50 oral rat         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight <tr< td=""><td>ATE (vapors)</td><td></td></tr<>	ATE (vapors)	
LD50 oral rat         670.0 mg/kg           ATE (oral)         670.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dermal)         1.500 omg/kg           ATE (dust, mist)         1.500 mg/kg           P-CRESOL (D8, 98%) (190780-66-6)            LD50 oral rat         207.0 mg/kg           LD50 inhalation rat (mg/l)         > 710 mg/mg 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.000 mg/kg body weight           ATE (oral)         349.000 mg/kg body weight           ATE (oral)         349.000 mg/kg body weight           ATE (agases)         700.000 ppmV/4h           ATE (dust, mist)         0.500 mg//4h           ATE (dust, mist)         0.500 mg/kg           DS0 oral rat         334.0 00 mg/kg body weight           ATE (agases)         334.0 00 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral)		0.900 mg/l/4h
LD50 oral rat         670.0 mg/kg           ATE (oral)         670.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (dermal)         1.500 omg/kg           ATE (dust, mist)         1.500 mg/kg           P-CRESOL (D8, 98%) (190780-66-6)            LD50 oral rat         207.0 mg/kg           LD50 inhalation rat (mg/l)         > 710 mg/mg 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.0 mg/kg           LD50 oral rat         349.000 mg/kg body weight           ATE (oral)         349.000 mg/kg body weight           ATE (oral)         349.000 mg/kg body weight           ATE (agases)         700.000 ppmV/4h           ATE (dust, mist)         0.500 mg//4h           ATE (dust, mist)         0.500 mg/kg           DS0 oral rat         334.0 00 mg/kg body weight           ATE (agases)         334.0 00 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral)	2-CHLOROPHENOL (RING-D4, 99%) (93951	-73-6)
ATE (oral)         670.000 mg/kg body weight           ATE (demal)         1100.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/kg           P-CRESOL (D8, 98%) (190780-66-6)            LD50 oral rat         207.0 mg/kg           LD50 inhalation rat (mg/l)         > 710 mg/mg 1 h           NTROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LCS0 inhalation rat (mg/l)         > 710 mg/mg 1           NTROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LCS0 inhalation rat (mg/l)         > 710 mg/mg 1           NTROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.000 mg/kg           LCS0 inhalation rat (mg/l)         > 710 mg/mg 1           ATE (gases)         700.000 pm/V4n           ATE (oral)         349.000 mg/kg body weight           ATE (vapors)         3.000 mg/kg 1/4h           Stream rabbit         .500 mg/l/4h           D50 oral rat         334.0 mg/kg           LD50 oral rat         334.0 mg/kg           LD50 oral rat         47.0 mg/kg           ATE (oral)         334.00 mg/kg body weight           ATE (oral)         47.000 mg/kg body wei		•
ATE (dermal)         1100.000 mg/kg body weight           ATE (dust, mist)         1.500 mg/l/4h           P-CRESOL (D8, 98%) (190780-66-6)            LD50 oral rat         207.0 mg/kg           LD50 dermal rabbit         301.0 mg/kg           LS0 inhalation rat (mg/l)         > 710 mg/m³ 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.00 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (rages)         300.000 ppmV/4h           ATE (qases)         3.000 mg/lk dody weight           ATE (dust, mist)         0.500 mg/l/4h           LD50 oral rat         334.00 mg/kg body weight           ATE (ral)         334.00 mg/kg body weight           ATE (oral)         334.00 mg/kg body weight           ATE (oral)         334.00 mg/kg body weight           2.4DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)            LD50 oral rat         47.0 mg/kg           ATE (oral)         47.000 mg/kg body weight           4.TE (oral)         47.000 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           A		
ATE (dust, mist)         1.500 mg/l/4h           P-CRESOL (D8, 98%) (190780-66-6)         207.0 mg/kg           LD50 oral rat         207.0 mg/kg           LD50 dermal rabbit         301.0 mg/kg           LC50 inhalation rat (mg/l)         > 710 mg/m³ 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)         US0 oral rat           LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (oral)         3.000 mg/kg body weight           ATE (gases)         700.000 ppmV/4h           ATE (dust, mist)         0.500 mg/l/4h           2.NITROPHENOL (RING-D4, 98%) (88-75-5 (U-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I		
P-CRESOL (08, 98%) (190780-66-6)           LD50 oral rat         207.0 mg/kg           LD50 dermal rabbit         301.0 mg/kg           LC50 inhalation rat (mg/l)         > 710 mg/m³ 1 h           NTROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (rapors)         3.000 mg/kg body weight           ATE (vapors)         3.000 mg/kg           LD50 oral rat         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           ATE (oral)         334.000 mg/kg body weight           2.4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)            LD50 oral rat         47.0 mg/kg           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         202.00 mg/kg body weight           ATE (oral)         202.000 mg/kg bo		
LD50 oral rat         207.0 mg/kg           LD50 dermal rabbit         301.0 mg/kg           LC50 inhalation rat (mg/l)         > 710 mg/m³ 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (gases)         700.000 ppm//4h           ATE (vapors)         3.000 mg/kg body weight           ATE (dust, mist)         0.500 mg/k/h           DS0 oral rat         334.0 00 mg/kg           LD50 oral rat         334.0 mg/kg           LD50 oral rat         334.0 mg/kg           LD50 oral rat         334.0 mg/kg           LD50 oral rat         334.000 mg/kg body weight           ATE (oral)         340.00 mg/kg body weight           2.PUTCHLOROPHENOL (RING-D4, 98%) (93951-74-7)            LD50 oral rat         47.0 mg/kg           ATE (oral)         47.0 mg/kg           ATE (oral)         47.00 mg/kg body weight           4.TITROPHENOL (RING-D4, 98%) (93951-73-7)            LD50 oral rat         47.00 mg/kg body weight           ATE (oral)         47.00 mg/kg body weight           4.TitropHENOL (RING-D4, 98%) (93951-73-7) </td <td></td> <td></td>		
LD50 dermal rabbit         301.0 mg/kg           LC50 inhalation rat (mg/l)         > 710 mg/m³ 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)            LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (gases)         700.000 ppmV/4h           ATE (qapors)         3.000 mg/l/4h           ATE (dust, mist)         0.500 mg/l/4h           2-NITROPHENOL (RING-D4, 98%) (88-75-5 (UU-beled))            LD50 oral rat         334.0 mg/kg           LD50 dermal rabbit         > mg/kg           ATE (oral)         334.00 mg/kg body weight           2-NITROPHENOL (RING-D4, 98%) (93951-74-7)            LD50 oral rat         343.000 mg/kg body weight           2.4-DICHLOROPHENOL (RING-D4, 98%) (93951-74-7)            LD50 oral rat         47.000 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight		007.0
LC50 inhalation rat (mg/l)         > 710 mg/m³ 1 h           NITROBENZENE-D5 (D, 99%) (4165-60-0)		
NITROBENZENE-D5 (D, 99%) (4165-60-0)           LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (gases)         700.000 ppmV/4h           ATE (uspors)         3.000 mg/l/4h           ATE (dust, mist)         0.500 mg/l/4h           Z-NITROPHENOL (RING-D4, 98%) (88-75-5 (Unlabeled))         LD50 oral rat           LD50 oral rat         334.000 mg/kg           LD50 oral rat         334.000 mg/kg           LD50 dermal rabbit         > mg/kg           ATE (oral)         334.000 mg/kg body weight           Z-ADICHLOROPHENOL (RING-D3, 98%) (93951-74-7)         LD50 oral rat           LD50 oral rat         47.0 mg/kg           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         202.0 mg/kg           ATE (oral)         202.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight		
LD50 oral rat         349.0 mg/kg           LC50 inhalation rat (ppm)         556 ppm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (gases)         700.000 ppmV/4h           ATE (vapors)         3.000 mg/l/4h           ATE (dust, mist)         0.500 mg/l/4h <b>2-NITROPHENOL (RING-D4, 98%) (88-75-5 (U-beled))</b> LD50 oral rat         334.0 mg/kg           LD50 dermal rabbit         > mg/kg           ATE (oral)         334.000 mg/kg body weight <b>2-ADICHLOROPHENOL (RING-D3, 98%) (9395-T4-77</b> LD50 oral rat         47.0 mg/kg           ATE (oral)         47.0 mg/kg           ATE (oral)         47.0 mg/kg           ATE (oral)         202.0 mg/kg body weight           ATE (oral)         202.0 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         47.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (oral)         100.000 mg/kg body weight <td>LC50 inhalation rat (mg/l)</td> <td>&gt; 710 mg/m³ 1 h</td>	LC50 inhalation rat (mg/l)	> 710 mg/m³ 1 h
LC50 inhalation rat (ppm)         556 pm 4 h           ATE (oral)         349.000 mg/kg body weight           ATE (gases)         700.000 ppmV/4h           ATE (vapors)         3.000 mg//4h           ATE (dust, mist)         0.500 mg//4h <b>2-NITROPHENOL (RING-D4, 98%) (88-75-5 (UUUE)</b> LD50 oral rat         334.0 mg/kg           LD50 oral rat         334.0 mg/kg           LD50 dermal rabbit         > mg/kg           ATE (oral)         334.000 mg/kg body weight           2.4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)         LD50 oral rat           LD50 oral rat         47.0 mg/kg           ATE (oral)         47.000 mg/kg body weight           4.TE (oral)         47.000 mg/kg body weight           ATE (oral)         202.00 mg/kg           ATE (oral)         202.00 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (oral)         400.000 mg/kg body weight           ATE (oral)         400.000 mg/kg body weight           ATE (oral) <t< td=""><td></td><td></td></t<>		
ATE (oral)         349.000 mg/kg body weight           ATE (gases)         700.000 ppmV/4h           ATE (vapors)         3.000 mg/l/4h           ATE (dust, mist)         0.500 mg/l/4h <b>2-NITROPHENOL (RING-D4, 98%) (88-75-5 (U=beled)</b>		
ATE (gases)         700.000 ppmV/4h           ATE (vapors)         3.000 mg/l/4h           ATE (dust, mist)         0.500 mg/l/4h <b>2-NITROPHENOL (RING-D4, 98%) (88-75-5 (U-beled))</b> LD50 oral rat         334.0 mg/kg           LD50 dermal rabbit         > mg/kg           ATE (oral)         334.000 mg/kg body weight <b>2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)</b> LD50 oral rat           LD50 oral rat         47.0 mg/kg           ATE (oral)         47.000 mg/kg body weight <b>4.NITROPHENOL (RING-D4, 98%) (93951-79-2</b> LD50 oral rat           LD50 oral rat         202.00 mg/kg body weight <b>4.NITROPHENOL (RING-D4, 98%) (93951-79-2</b> LD50 oral rat           LD50 oral rat         202.000 mg/kg body weight <b>4.NITROPHENOL (RING-D4, 98%) (93951-79-2</b> LD50 oral rat           LD50 oral rat         202.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (oral)         202.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (gases)         4500.000 ppmV/4h		
ATE (vapors)       3.000 mg/l/4h         ATE (dust, mist)       0.500 mg/l/4h         2-NITROPHENOL (RING-D4, 98%) (88-75-5 (Unlabeled))         LD50 oral rat       334.0 mg/kg         LD50 dermal rabbit       > mg/kg         ATE (oral)       334.000 mg/kg body weight         2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)         LD50 oral rat       47.0 mg/kg         ATE (oral)       47.000 mg/kg body weight         4-NITROPHENOL (RING-D4, 98%) (93951-79-2)         LD50 oral rat       202.0 mg/kg         ATE (oral)       202.000 mg/kg body weight         4-NITROPHENOL (RING-D4, 98%) (93951-79-2)         LD50 oral rat       202.000 mg/kg body weight         ATE (oral)       470.000 mg/kg body weight         ATE (oral)       470.000 mg/kg body weight         ATE (oral)       400.000 mg/kg body weight         ATE (oral)       400.000 mg/kg body weight         ATE (dermal)       1100.000 mg/kg body weight         ATE (gases)       4500.000 ppmV/4h		
ATE (dust, mist)       0.500 mg/l/4h         2-NITROPHENOL (RING-D4, 98%) (88-75-5 (Ulabeled))         LD50 oral rat       334.0 mg/kg         LD50 dermal rabbit       > mg/kg         ATE (oral)       334.000 mg/kg body weight         2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)         LD50 oral rat       47.0 mg/kg         ATE (oral)       47.000 mg/kg body weight         4-NITROPHENOL (RING-D4, 98%) (93951-79-2)         LD50 oral rat       202.00 mg/kg body weight         4-NITROPHENOL (RING-D4, 98%) (93951-79-2)         LD50 oral rat       202.00 mg/kg         ATE (oral)       1100.000 mg/kg body weight         ATE (oral)       202.000 mg/kg body weight         ATE (oral)       202.000 mg/kg body weight         ATE (oral)       4500.000 ppmV/4h		
2-NITROPHENOL (RING-D4, 98%) (88-75-5 (Unlabeled))         LD50 oral rat       334.0 mg/kg         LD50 dermal rabbit       > mg/kg         ATE (oral)       334.000 mg/kg body weight         2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)       LD50 oral rat         LD50 oral rat       47.0 mg/kg         ATE (oral)       47.00 mg/kg body weight         4TE (oral)       47.000 mg/kg body weight         4-NITROPHENOL (RING-D4, 98%) (93951-79-2)       LD50 oral rat         LD50 oral rat       202.00 mg/kg         ATE (oral)       1100.000 mg/kg body weight         ATE (dermal)       1100.000 mg/kg body weight         ATE (gases)       4500.000 ppmV/4h	ATE (vapors)	3.000 mg/l/4h
LD50 oral rat334.0 mg/kgLD50 dermal rabbit> mg/kgATE (oral)334.000 mg/kg body weight2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)LD50 oral rat47.0 mg/kgATE (oral)47.000 mg/kg body weight4TE (oral)202.00 mg/kg body weight4-NITROPHENOL (RING-D4, 98%) (93951-79-2)LD50 oral rat202.00 mg/kgATE (oral)202.00 mg/kg body weightATE (oral)1100.000 mg/kg body weightATE (dermal)1100.000 mg/kg body weightATE (gases)4500.000 pmV/4h	ATE (dust, mist)	0.500 mg/l/4h
LD50 dermal rabbit> mg/kgATE (oral)334.000 mg/kg body weight2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)LD50 oral rat47.0 mg/kgATE (oral)47.000 mg/kg body weight4-NITROPHENOL (RING-D4, 98%) (93951-79-2)LD50 oral rat202.0 mg/kgATE (oral)202.00 mg/kg body weightATE (oral)1100.000 mg/kg body weightATE (dermal)1100.000 mg/kg body weightATE (gases)4500.000 pmV/4h	2-NITROPHENOL (RING-D4, 98%) (88-75-5	(Unlabeled))
ATE (oral)334.000 mg/kg body weight2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)LD50 oral rat47.0 mg/kgATE (oral)47.000 mg/kg body weight4-NITROPHENOL (RING-D4, 98%) (93951-79-2)LD50 oral rat202.0 mg/kgATE (oral)202.00 mg/kg body weightATE (oral)1100.000 mg/kg body weightATE (dermal)1100.000 pmV/4h	LD50 oral rat	334.0 mg/kg
2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)LD50 oral rat47.0 mg/kgATE (oral)47.000 mg/kg body weight4-NITROPHENOL (RING-D4, 98%) (93951-79-2)LD50 oral rat202.0 mg/kgATE (oral)202.00 mg/kg body weightATE (oral)1100.000 mg/kg body weightATE (dermal)1100.000 pmV/4h	LD50 dermal rabbit	> mg/kg
LD50 oral rat47.0 mg/kgATE (oral)47.000 mg/kg body weight <b>4.NITROPHENOL (RING-D4, 98%) (93951-79-2)</b> LD50 oral rat202.0 mg/kgATE (oral)202.000 mg/kg body weightATE (oral)202.000 mg/kg body weightATE (dermal)1100.000 mg/kg body weightATE (gases)4500.000 ppmV/4h	ATE (oral)	334.000 mg/kg body weight
LD50 oral rat47.0 mg/kgATE (oral)47.000 mg/kg body weight <b>4.NITROPHENOL (RING-D4, 98%) (93951-79-2)</b> LD50 oral rat202.0 mg/kgATE (oral)202.000 mg/kg body weightATE (oral)202.000 mg/kg body weightATE (dermal)1100.000 mg/kg body weightATE (gases)4500.000 ppmV/4h	2,4-DICHLOROPHENOL (RING-D3, 98%) (93	3951-74-7)
ATE (oral)47.000 mg/kg body weight <b>4.NITROPHENOL (RING-D4, 98%) (93951-79-2)</b> LD50 oral rat202.0 mg/kgATE (oral)202.000 mg/kg body weightATE (dermal)1100.000 mg/kg body weightATE (gases)4500.000 ppmV/4h	LD50 oral rat	47.0 mg/kg
LD50 oral rat         202.0 mg/kg           ATE (oral)         202.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (gases)         4500.000 ppmV/4h	ATE (oral)	
LD50 oral rat         202.0 mg/kg           ATE (oral)         202.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (gases)         4500.000 ppmV/4h	4-NITROPHENOL (RING-D4. 98%) (93951-79	2-2)
ATE (oral)         202.000 mg/kg body weight           ATE (dermal)         1100.000 mg/kg body weight           ATE (gases)         4500.000 ppmV/4h		
ATE (dermal)         1100.000 mg/kg body weight           ATE (gases)         4500.000 ppmV/4h		
ATE (gases) 4500.000 ppmV/4h	. ,	

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4-NITROPHENOL (RING-D4, 98%) (93951-79-	2)	
ATE (vapors)		
ATE (dust, mist)	1.500 mg/l/4h	
, , , , , , , , , , , , , , , , , , ,		
4,6-DINITRO-2-METHYLPHENOL (RING-D2, S		
LD50 oral rat	7.0 mg/kg	
LD50 dermal rabbit	1000 mg/kg	
ATE (oral)	0.500 mg/kg body weight	
ATE (dermal)	5.000 mg/kg body weight	
ATE (gases)	100.000 ppmV/4h	
ATE (vapors)	0.500 mg/l/4h	
ATE (dust, mist)	0.050 mg/l/4h	
DIMETHYL PHTHALATE (DIMETHYL-D6, 99%	6) (85448-30-2)	
LD50 oral rat	8200 mg/kg	
LD50 dermal rabbit	12000 mg/kg	
ATE (oral)	8200.000 mg/kg body weight	
ATE (dermal)	12000.000 mg/kg body weight	
4-CHLOROANILINE (RING-D4, 98%) (191656	-33-4)	
LD50 oral rat	≤ 256.0 mg/kg	
LC50 inhalation rat (mg/l)	2340 mg/m <sup>3</sup> 4 h	
ACENAPHTHYLENE (D8, 98%) (93951-97-4)		
	LD50 Oral Mouse - 1760 mg/kg	
PYRENE (D10, 98%) (1718-52-1)		
LD50 oral rat	2700 mg/kg	
LC50 inhalation rat (mg/l)	170 mg/m <sup>3</sup>	
Skin corrosion/irritation	: Causes skin irritation.	
	Skin - rabbit - Skin irritation - 24 h - Draize Test	
Serious eye damage/irritation	: Causes serious eye irritation.	
	Eyes - rabbit - Mild eye irritation - 24 h - Draize Test	
Respiratory or skin sensitization	: Not available	
	No data available	
Germ cell mutagenicity	: Genotoxicity in vivo - rat - Oral : DNA damage	
Carcinogenicity	: Suspected of causing cancer.	
Reproductive toxicity	: Not available	
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness. May cause respiratory irritation. Causes damage to organs	
	(blood, central nervous system, eye, heart, kidneys, liver, pancreas).	
	May cause respiratory irritation. May cause drowsiness or dizziness.	
Specific target organ toxicity (repeated	: May cause damage to organs (blood, central nervous system, eye, heart, kidneys, liver,	
exposure)	pancreas) through prolonged or repeated exposure.	
	Inhalation/Oral - May cause damage to organs through repeated exposure.	
Aspiration hazard	: Not classified	
Potential Adverse human health effects and	: Toxic if swallowed. Toxic in contact with skin.	
symptoms		
ARC group	: 2B	
Symptoms/injuries after inhalation	: May cause respiratory irritation.	
Symptoms/injuries after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant	
, , ,	health hazard. Toxic in contact with skin. Causes skin irritation.	
Symptoms/injuries after eye contact	: Causes eye irritation.	
Symptoms/injuries after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health	
-	hazard.	

SECTION 12: Ecological information		
12.1. Toxicity		
CLP SEMI-VOLATILES DMC STOCK SOLUTIO	N 2000 UG/ML IN METHYLENE CHLORIDE-D2	
LC50 fish 1	193.00 mg/l Pimephales promelas (fathead minnow) - 96 h	
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Cooling to Regulation (EC) No. 433/2010 and according		
	DN 2000 UG/ML IN METHYLENE CHLORIDE-D2	
EC50 Daphnia 1	1682.00 mg/l Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-		
LC50 fish 1	193.00 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	1682.00 mg/l Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
BIS(2-CHLOROETHYL)ETHER (D8, 98%) (939	52-02-4)	
LC50 fish 1	600.00 mg/l Lepomis macrochirus (Bluegill) - 96 h	
EC50 Daphnia 1	240.00 mg/l Daphnia magna (Water flea) - 48 h	
PHENOL (RING-D5, 98%) (4165-62-2)		
LC50 fish 1	14 - 25 mg/l - 25 mg/l - Leuciscus idus (Golden orfe) - 48 h	
EC50 Daphnia 1	12 mg/l Daphnia magna (Water flea) - 24 h	
ErC50 (algae)	370 mg/l Chlorella vulgaris (Fresh water algae) - 96 h	
2-CHLOROPHENOL (RING-D4, 99%) (93951-7	3-6)	
LC50 fish 1	5.7 - 12 mg/l Lepomis macrochirus (Bluegill) - 96 h	
EC50 Daphnia 1	6.3 - 17.9 mg/l Daphnia magna (Water flea) - 24 h	
P-CRESOL (D8, 98%) (190780-66-6)	7.0 mg// Opeorbygebus mykies (rainbow trout) . 06 b	
EC50 Daphnia 1	7.9 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h 1.4 mg/l Daphnia magna (Water flea) - 48 h	
· · ·	1.4 mg/i Daprinia magna (water nea) - 40 m	
NITROBENZENE-D5 (D, 99%) (4165-60-0)		
LC50 fish 1	92 mg/l Danio rerio (zebra fish) - 96 h	
EC50 Daphnia 1	50.00 mg/l Daphnia magna (Water flea) - 24 h	
ErC50 (algae)	51.60 mg/l Pseudokirchneriella subcapitata (green algae) - 72 h	
2-NITROPHENOL (RING-D4, 98%) (88-75-5 (U	nlabeled))	
EC50 Daphnia 1	17 mg/l Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	24 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
2,4-DICHLOROPHENOL (RING-D3, 98%) (9395	51-74-7)	
LC50 fish 1	1.6 - 2.6 mg/l Lepomis macrochirus (Bluegill) - 96 h	
EC50 Daphnia 1	2.7 - 3.9 mg/l Daphnia magna (Water flea) - 24 h	
4-NITROPHENOL (RING-D4, 98%) (93951-79-2		
LC50 fish 1	26.7 - 31.3 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
EC50 Daphnia 1	3.1 - 24 mg/l Daphnia magna (Water flea) - 48 h	
ErC50 (algae)	11.00 mg/l 48 h	
4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98	·	
LC50 fish 1	1.54 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	2.7 mg/l Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	0.25 mg/l Cyprinus carpio (Carp) - 5 d	
DIMETHYL PHTHALATE (DIMETHYL-D6, 99% LC50 fish 1	39 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	46.00 mg/l Daphnia magna (Water flea) - 48 h	
ErC50 (algae)	204 mg/l Desmodesmus subspicatus (Scenedesmus subspictus) - 48 h	
4-CHLOROANILINE (RING-D4, 98%) (191656-33-4)		
LC50 fish 1	1.8 - 3.2 mg/l Lepomis macrochirus (Bluegill) - 96 h	
EC50 Daphnia 1 ErC50 (algae)	0.04 - 0.06 mg/l Daphnia magna (Water flea) - 48 h 2.2 - 6.3 mg/l Desmodesmus subspicatus (green algae) - 72 h	
ErC50 (algae)		
ANTHRACENE (D10, 98%) (1719-06-8)		
LC50 fish 1	0.001 mg/l Lepomis macrochirus (Bluegill) - 96.0 h	
EC50 Daphnia 1	0.10 mg/l Daphnia magna (Water flea) - 48 h	
BENZO[A]PYRENE (D12, 97%) (63466-71-7)		
EC50 Daphnia 1	0.25 mg/l Daphnia magna (Water flea) - 48 h	
ErC50 (algae)	0.02 mg/l Pseudokirchneriella subcapitata (green algae) - 48 h	

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Image: CLP SEMI-VOLATILES DMC STOCK SOLUTION 2000 UG/ML IN METHYLENE CHLOR           Persistence and degradability         Result: < 30.0 % - Not readily biodegrad	
	IDE-D2
$ $ i orbitionoc and degradability   Nebult < $30.0 \ /0^{-1}$ Not reduily Diodegrad	
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)	
Persistence and degradability Result: < 30.0 % - Not readily biodegrad	able.
BIS(2-CHLOROETHYL)ETHER (D8, 98%) (93952-02-4)	
Persistence and degradability Not available.	
PHENOL (RING-D5, 98%) (4165-62-2)	
Persistence and degradability Not available.	
2-CHLOROPHENOL (RING-D4, 99%) (93951-73-6)	
Persistence and degradability No data available.	
P-CRESOL (D8, 98%) (190780-66-6) Persistence and degradability Not available.	
NITROBENZENE-D5 (D, 99%) (4165-60-0)           Persistence and degradability         Not available.	
2-NITROPHENOL (RING-D4, 98%) (88-75-5 (Unlabeled)) Persistence and degradability No data available.	
2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)	
Persistence and degradability No data available.	
FLUORENE (D10, 98%) (81103-79-9)	
Persistence and degradability Not available.	
4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98%) (534-52-1 (Unlabeled))	
Persistence and degradability Not available.	
DIMETHYL PHTHALATE (DIMETHYL-D6, 99%) (85448-30-2)	
Persistence and degradability Not available.	
4-CHLOROANILINE (RING-D4, 98%) (191656-33-4)	
Persistence and degradability         Biodegradability:         Result: > 90 % - Result:	eadily biodegradable.
ANTHRACENE (D10, 98%) (1719-06-8)	
Persistence and degradability Not available.	
ACENAPHTHYLENE (D8, 98%) (93951-97-4)	
Persistence and degradability Not available.	
PYRENE (D10, 98%) (1718-52-1)	
Persistence and degradability Not available.	
12.3. Bioaccumulative potential	
CLP SEMI-VOLATILES DMC STOCK SOLUTION 2000 UG/ML IN METHYLENE CHLOR	IDE-D2
Bioaccumulative potential Not available.	
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)	
Bioaccumulative potential Not available.	
PHENOL (RING-D5, 98%) (4165-62-2)	
Log Pow 1.46	
Bioaccumulative potential Not available.	
P-CRESOL (D8, 98%) (190780-66-6)	
Log Pow 1.94	
Bioaccumulative potential Does not bioaccumulate.	
NITROBENZENE-D5 (D, 99%) (4165-60-0)	
Log Pow 1.85	
2-NITROPHENOL (RING-D4, 98%) (88-75-5 (Unlabeled))	
Bioaccumulative potential No data available.	

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2,4-DICHLOROPHENOL (RING-D3, 98%) (9	3951-74-7)
Log Pow	3.065
4-NITROPHENOL (RING-D4, 98%) (93951-7	79-2)
Log Pow	1.91
FLUORENE (D10, 98%) (81103-79-9)	E40
Bioconcentration factor (BCF REACH)	512 Biogeoursulative Detentiale Oncerturative multice (rainbour trout) 24h
Bioaccumulative potential	Bioaccumulative Potential: Oncorhynchus mykiss (rainbow trout) - 24h.
4,6-DINITRO-2-METHYLPHENOL (RING-D2	
Bioaccumulative potential	Not available.
DIMETHYL PHTHALATE (DIMETHYL-D6, 9	9%) (85448-30-2)
Log Pow	1.47
4-CHLOROANILINE (RING-D4, 98%) (1916)	56-33-4)
Log Pow	2.12
Bioaccumulative potential	Not available.
ANTHRACENE (D10, 98%) (1719-06-8)	
Bioconcentration factor (BCF REACH)	649
Log Pow	4.45 Biogeoumulation Dimensional reproduct (fathcod minnout) 42 d
Bioaccumulative potential	Bioaccumulation Pimephales promelas (fathead minnow) - 42 d.
ACENAPHTHYLENE (D8, 98%) (93951-97-4	4)
Bioaccumulative potential	Not available.
BENZO[A]PYRENE (D12, 97%) (63466-71-7	7)
Log Pow	5.97
Bioaccumulative potential	Bioaccumulation: Lepomis macrochirus (Bluegill) - 48h. Bioconcentration factor (BCF): 3,208.
DVDENE (D40, 00%) (4749, 52, 4)	
PYRENE (D10, 98%) (1718-52-1) Bioconcentration factor (BCF REACH)	4810
	4010
12.4. Mobility in soil	
CLP SEMI-VOLATILES DMC STOCK SOLU	ITION 2000 UG/ML IN METHYLENE CHLORIDE-D2
Ecology - soil	Not available.
METHYLENE CHLORIDE-D2 (D, 99.8%) (16	365-00-5)
Ecology - soil	Not available.
BIS(2-CHLOROETHYL)ETHER (D8, 98%) (9 Ecology - soil	Not available.
PHENOL (RING-D5, 98%) (4165-62-2)	
Ecology - soil	Not available.
2-CHLOROPHENOL (RING-D4, 99%) (9395	1-73-6)
Ecology - soil	No data available.
P-CRESOL (D8, 98%) (190780-66-6)	
Ecology - soil	Not available.
•••	
NITROBENZENE-D5 (D, 99%) (4165-60-0)	
Ecology - soil	Not available.
2-NITROPHENOL (RING-D4, 98%) (88-75-5	(Unlabeled))
Ecology - soil	No data available.
2,4-DICHLOROPHENOL (RING-D3, 98%) (9	3951-74-7)
Ecology - soil	No data available.
4-NITROPHENOL (RING-D4, 98%) (93951-7	
Ecology - soil	No data available.
FLUORENE (D10, 98%) (81103-79-9)	
<b>FLUORENE (D10, 98%) (81103-79-9)</b> Ecology - soil	Not available.

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4,6-DINITRO-2-METHYLPHENOL (RING-D2, 9	g to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Ecology - soil	Not available.
**	
DIMETHYL PHTHALATE (DIMETHYL-D6, 999	(85448-30-2) Not available.
Ecology - soil	
4-CHLOROANILINE (RING-D4, 98%) (191656	
Ecology - soil	Not available.
ANTHRACENE (D10, 98%) (1719-06-8)	
Ecology - soil	Not available.
ACENAPHTHYLENE (D8, 98%) (93951-97-4)	
Ecology - soil	Not available.
PYRENE (D10, 98%) (1718-52-1)	
Ecology - soil	Not available.
12.5. Results of PBT and vPvB assessme	nt
ANTHRACENE (D10, 98%) (1719-06-8)	
This substance/mixture meets the PBT criteria	
This substance/mixture does not meet the vPvE	S CITERIA OF REACH, ANNEX XIII.
12.6. Other adverse effects	
Other adverse effects	: Not available.
SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Hazardous waste due to toxicity.
SECTION 14: Transport information	
In accordance with ADR / RID / ADNR / IMDG / I	CAO / IATA
14.1. UN number	
UN-No.(DOT)	: 1593
DOT NA no.	UN1593
14.2 LIN proper chinning name	
14.2.         UN proper shipping name           DOT Proper Shipping Name	
Department of Transportation (DOT) Hazard	: Dichloromethane : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Classes	. 0.1 - Class 0.1 - F 015011005 IIIalellais 43 Cr N 173.132
Hazard labels (DOT)	: 6.1 - Poison inhalation hazard
Packing group (DOT)	: III - Minor Danger

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according to Regulation (EC) No. 453/2010 and according	to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
DOT Special Provisions (49 CFR 172.102)	<ul> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</li> <li>IP8 - Ammonia solutions may be transported in rigid or composite plastic IBCs (31H1, 31H2 and 31HZ1) that have successfully passed, without leakage or permanent deformation, the hydrostatic test specified in 178.814 of this subchapter at a test pressure that is not less than 1.5 times the vapor pressure of the contents at 55 C (131 F).</li> <li>N36 - Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum.</li> <li>T7 - 4 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
Marine pollutant	: No
14.3. Additional information	
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: III
Class (ADR)	: 6.1 - Toxic substances
Hazard identification number (Kemler No.)	: 60
Classification code (ADR)	: T1
Danger labels (ADR)	: 6.1 - Toxic substances
Orange plates	60 1593
Tunnel restriction code	: E
Limited quantities (ADR)	5L
EAC	: •2WE
APP	: A(fl)
Excepted quantities (ADR)	: E1
Transport by sea	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
MFAG-No	: 160
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L

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according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT Quantity Limitations Cargo aircraft only (49  $\,:\,$  220 L CFR 175.75)

### 14.4. Environmental hazards

Dangerous for the environment



Other information

: No supplementary information available.

14.5. Special precautions for user

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information			
15.1. US Federal regulations			
CLP SEMI-VOLATILES DMC STOCK SOLUTIO	CLP SEMI-VOLATILES DMC STOCK SOLUTION 2000 UG/ML IN METHYLENE CHLORIDE-D2		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard		
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-	00-5)		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard		
BIS(2-CHLOROETHYL)ETHER (D8, 98%) (9395	i2-02-4)		
Listed on SARA Section 302 (Specific toxic chem Listed on SARA Section 313 (Specific toxic chem			
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
NITROBENZENE-D5 (D, 99%) (4165-60-0)			
Listed on SARA Section 302 (Specific toxic chem Listed on SARA Section 313 (Specific toxic chem			
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
2,4-DICHLOROPHENOL (RING-D3, 98%) (9395	1-74-7)		
Listed on SARA Section 313 (Specific toxic chem	Listed on SARA Section 313 (Specific toxic chemical listings)		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard		
4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98	%) (534-52-1 (Unlabeled))		
Listed on SARA Section 302 (Specific toxic chem Listed on SARA Section 313 (Specific toxic chem	ical listings) ical listings)		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard		

### 15.2. International regulations

CANADA
CLP SEMI-VOLATILES DMC STOCK SOLUTION 2000 UG/ML IN METHYLENE CHLORIDE-D2
Listed on the Canadian DSL (Domestic Substances List) inventory.
BIS(2-CHLOROETHYL)ETHER (D8, 98%) (93952-02-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.
2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)
Listed on the Canadian DSL (Domestic Substances List) inventory.
4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98%) (534-52-1 (Unlabeled))
Listed on the Canadian DSL (Domestic Substances List) inventory.

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2.1. National regulations

No additional information available

#### 15.3. US State regulations

CLP SEMI-VOLATILES	DMC STOCK SOLUTION 2000	UG/ML IN METHYLENE CHL	ORIDE-D2()	
U.S California - Propo	sition 65 - Carcinogens List	Yes		
State or local regulations		U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List WARNING! This product contains a chemical known by the state of California to cause cancer.		
METHYLENE CHLORIE	DE-D2 (D, 99.8%) (1665-00-5)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)

## METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)

Yes

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

WARNING! This product contains a chemical known by the state of California to cause cancer.

### BIS(2-CHLOROETHYL)ETHER (D8, 98%) (93952-02-4)

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

WARNING! This product contains a chemical known by the state of California to cause cancer.

### NITROBENZENE-D5 (D, 99%) (4165-60-0)

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

WARNING! This product contains a chemical known by the state of California to cause cancer, birth defects or other reproductive harm.

### 2,4-DICHLOROPHENOL (RING-D3, 98%) (93951-74-7)

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### 4,6-DINITRO-2-METHYLPHENOL (RING-D2, 98%) (534-52-1 (Unlabeled))

U.S. - New Jersey - Right to Know Hazardous Substance List This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

<b>SECTION 16: Other information</b>	
Other information	: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.
Full text of R-, H- and EUH-phrases::	
Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1

## Safety Data Sheet

Acute Tox. 1 (Inhalation)	Acute toxicity (inhalation) Category 1
Acute Tox. 1 (Oral)	Acute toxicity (oral) Category 1
Acute Tox. 2 (Dermal)	Acute toxicity (dermal) Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhalation) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (initial distribute) category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Initialation.dust, mist) Acute Tox. 4 (Oral)	Acute toxicity (initiality category 4
. ,	
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 3	Flammable liquids Category 3
Muta. 2	Germ cell mutagenicity Category 2
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
	Fatal if swallowed
H300	Toxic if swallowed
H301	
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
H351	Suspected of causing genetic detects
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H400 H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R20	Harmful by inhalation
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R21	Harmful in contact with skin
R22	Harmful if swallowed
R23	Toxic by inhalation

### Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

R23/24/25	Toxic by inhalation, in contact with skin and if swallowed	
R23/25	Toxic by inhalation and if swallowed	
R24	Toxic in contact with skin	
R24/25	Toxic in contact with skin and if swallowed	
R25	Toxic if swallowed	
R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed	
R28	Very toxic if swallowed	
R34	Causes burns	
R36	Irritating to eyes	
R36/37/38	Irritating to eyes, respiratory system and skin	
R36/38	Irritating to eyes and skin	
R37	Irritating to respiratory system	
R38	Irritating to skin	
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed	
R40	Limited evidence of a carcinogenic effect	
R42	May cause sensitization by inhalation	
R45	May cause cancer	
R46	May cause heritable genetic damage	
R48	Danger of serious damage to health by prolonged exposure	
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
R52	Harmful to aquatic organisms	
R61	.,	
R62	62 Possible risk of impaired fertility	
R63	3 Possible risk of harm to the unborn child	
R68	Possible risk of irreversible effects	
С	Corrosive	
N	Dangerous for the environment	
Т	Toxic	
T+	Very toxic	
Xi	Irritant	
Xn	Harmful	

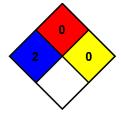
NFPA health hazard

NFPA fire hazard

NFPA reactivity

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

- : 0 Materials that will not burn.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



#### HMIS III Rating

Health	:	2 Moderate Hazard - Temporary or minor injury may occur
Flammability	:	0 Minimal Hazard
Physical	:	0 Minimal Hazard

#### CIL Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product