

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: 04/02/2016 Version: 1.0

EC-5419

Revision date:

		ubstance/mixture and of the company/undertaking
	identifier	
Product form		: Mixtures
Product name.		: MODIFIED JIS PCB ALT B CLEAN-UP SOLUTION (13C12, 99%)
Product code		: EC-5419
1.2. Relevan	identified uses of the su	ibstance or mixture and uses advised against
1.2.1. Relevan	identified uses	
Industrial/Professio	nal use spec	: For professional use only.
1.2.2. Uses ad	vised against	
No additional inforr	nation available	
1.3. Details o	f the supplier of the safe	ty data sheet
Cambridge Isotope 50 Frontage Road Andover, MA 0181		
USA USA: 1-800-322-1 <u>cilsales@isotope.c</u>	174 Int: 1-978-749-8000 om www.isotope.com	
Emerger	cy telephone number	
Emergency numbe	rs:	
	24-9300 (24 hours) 3-741-5970 (24 hours)	
SECTION 2: H	azards identification	
2.1. Classific	ation of the substance or	r mixture
Classification acc	ording to Regulation (EC	i) No. 1272/2008 [CLP]
Flam. Liq. 3	H226	
Acute Tox. 4 (Inhal	ation) H332	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Full text of H-phras	es: see section 16	
	ording to Directive 67/54	8/EEC or 1999/45/EC
Xn; R65 Xi; R38 R10 R67		
Full text of R-phras	es: see section 16	
Classification (GF	S-US)	
Flam. Liq. 3	H226	

Flam. Liq. 3	H226
Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304

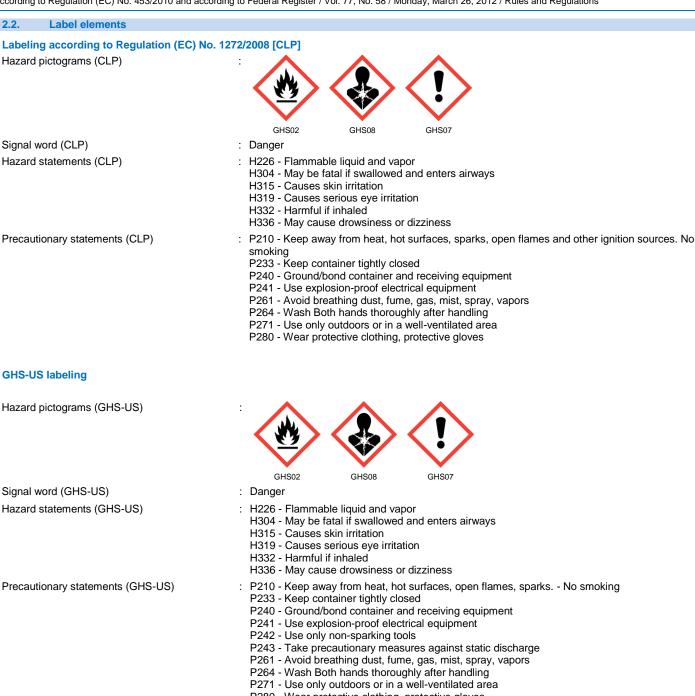
Adverse physicochemical, human health and environmental effects

Central Nervous System.

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#### 2.2



P280 - Wear protective clothing, protective gloves

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P302+P352 - IF ON SKIN: Wash with plenty of soap and water P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/shower

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 - Call a POISON CENTER/doctor/physician if you feel unwell

- P321 Specific treatment (see Hazard pictograms (CLP) on this label)
- P331 If swallowed, do NOT induce vomiting

P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

- P362 Take off contaminated clothing and wash before reuse
- P370+P378 In case of fire: Use Use personal protective equipment as required for extinction
- P403+P233 Store in a well-ventilated place. Keep container tightly closed
- P403+P235 Store in a well-ventilated place. Keep cool
- P405 Store locked up

P501 - Dispose of contents/container to Comply with applicable regulations.

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#### 2.3. Other hazards

### No additional information available

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

**Substances** 3.1.

### Not applicable

3.2.	Mixture	s

Name	Product identifier	%	Classification according to Directive 67/548/EEC
N-NONANE UNLABELED	(CAS No) 111-84-2 (EC no) 203-913-4	99.99989554	R10 Xn; R20 Xn; R65 R67 Xi; R38
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	(CAS No) 208263-68-7 (EC index no) 602-039-00-4	0.00001393	N; R50/53 Xn; R48/21/22 R33
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	(CAS No) 104130-40-7 (EC no) 215-648-1 (EC index no) 602-039-00-4	0.00001393	Xn; R48/20/21/22 N; R50/53 R33
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	(CAS No) 208263-62-1 (EC index no) 602-039-00-4	0.00001393	Xn; R48/20/21/22 Xi; R41 N; R50/53 R33
2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)	(CAS No) 208263-73-4 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20/21/22 N; R50/53 R33
2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)	(CAS No) 235416-30-5 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20/21/22 N; R50/53 R33
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)	(CAS No) 105600-23-5 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20 N; R50/53
3,4,4',5-TETRACB (PCB-81) (13C12, 99%)	(CAS No) 208461-24-9 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20/21/22 N; R50/53 R33
2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)	(CAS No) 208263-64-3 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20/21/22 N; R50/53 R33
2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)	(CAS No) 208263-69-8 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20/21/22 N; R50/53 R33
2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)	(CAS No) 208263-63-2 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20/21/22 N; R50/53 R33
3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)	(CAS No) 208263-65-4 (EC index no) 602-039-00-4	0.00000696	Xn; R48/20 N; R50/53 R33
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)	(CAS No) 32774-16-6 (Unlabeled) (EC index no) 602-039-00-4	0.00000696	N; R50/53 Xn; R48/20/21/22
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-NONANE UNLABELED	(CAS No) 111-84-2 (EC no) 203-913-4	99.99989554	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	(CAS No) 208263-68-7 (EC index no) 602-039-00-4	0.00001393	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	(CAS No) 104130-40-7	0.00001393	STOT RE 2, H373 Aquatic Acute 1, H400

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	(CAS No) 208263-62-1 (EC index no) 602-039-00-4	0.00001393	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)	(CAS No) 208263-73-4 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)	(CAS No) 235416-30-5 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)	(CAS No) 105600-23-5 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4',5-TETRACB (PCB-81) (13C12, 99%)	(CAS No) 208461-24-9 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)	(CAS No) 208263-64-3 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)	(CAS No) 208263-69-8 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)	(CAS No) 208263-63-2 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)	(CAS No) 208263-65-4 (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)	(CAS No) 32774-16-6 (Unlabeled) (EC index no) 602-039-00-4	0.00000696	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Name	Product identifier	%	Classification (GHS-US)
N-NONANE UNLABELED	(CAS No) 111-84-2	99.99989554	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336 Asp. Tox. 1, H304

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	: Move out of dangerous area. Consult a physician and show this safety data sheet.
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. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately Wash clothing separately before reuse. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label).
First-aid measures after eye contact	: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
First-aid measures after ingestion	: Immediately call a POISON CENTER or doctor/physician.
4.2. Most important symptoms and eff	ects, both acute and delayed
Symptoms/injuries after inhalation	<ul> <li>Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.</li> </ul>
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
4.3 Indication of any immediate medic	cal attention and special treatment needed

4.3. Indication of any immediate medical attention and special treatment needed

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SECTION 5: Firefighting	measures	
5.1. Extinguishing media		
suitable extinguishing media	fires, apply water from as	such as "alcohol" foam, dry chemical, or carbon dioxide. For large far as possible. Use very large quantities (flooding) of water applied as ams of water may be ineffective. Cool all affected containers with er.
5.2. Special hazards arisin	ig from the substance or mixture	
Fire hazard	: Flammable liquid and vap	or.
Explosion hazard	: May form flammable/explo	•
Reactivity	: Vapors may form explosiv	e mixture with air.
5.3. Advice for firefighters		
Firefighting instructions	: Use water spray to cool u	
Protection during firefighting	: Do not enter fire area with	out proper protective equipment, including respiratory protection.
<b>SECTION 6: Accidental re</b>	elease measures	
6.1. Personal precautions,	, protective equipment and emergency pro	ocedures
General measures	: Remove ignition sources. smoking.	Use special care to avoid static electric charges. No naked lights. No
6.1.1. For non-emergency pe	ersonnel	
Emergency procedures	ventilation. Remove all so	quipment. Avoid breathing vapors, mist or gas. Ensure adequate urces of ignition. Evacuate personnel to safe areas. Beware of vapours osive concentrations. Vapours can accumulate in low areas.
6.1.2. For emergency respon	nders	
Protective equipment	: Avoid breathing Avoid bre	athing dust, mist or spray.
6.2. Environmental precau	tions	
Prevent entry to sewers and publi	c waters.	
6.3. Methods and material	for containment and cleaning up	
For containment		ect with non-combustible absorbent material. Disposal should be in e Federal, State and local regulations.
6.4. Reference to other see	ctions	
No additional information available	е	
<b>SECTION 7: Handling and</b>	d storage	
7.1. Precautions for safe h	andling	
Additional hazards when processe		with care because residual vapors are flammable.
Precautions for safe handling		ing. Take precautionary measures against static discharge. Use only nly outdoors or in a well-ventilated area. Avoid breathing Avoid ray.
Hygiene measures	: Wash Both hands thoroug	hly after handling.
7.2. Conditions for safe st	orage, including any incompatibilities	
Technical measures		res to avoid static electricity should be followed. Ground/bond quipment. Use explosion-proof electrical equipment.
Storage conditions	: Store at room temperature	e away from light and moisture.
Incompatible materials	: Heat sources.	
7.3. Specific end use(s)		
No additional information available	e	
SECTION 8: Exposure co	ntrols/personal protection	
8.1. Control parameters		
-	EAN-UP SOLUTION (13C12, 99%)	
	ACGIH TWA (ppm)	200.0000000000 ppm Central Nervous System impairment.
N-NONANE UNLABELED (111	-84-2)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.0000000000 ppm Central Nervous System impairment.

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8.2.	Exposure controls	
Perso	onal protective equipment	: Protective clothing. Protective goggles. Self-contained breathing apparatus. Gloves.
		T C C C
Eye p	rotection	: Wear safety glasses with side shields (or goggles) and a face shield.
Skin a	and body protection	: Wear suitable protective clothing.
Respi	ratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is

recommended. Wear respiratory protection.

<b>SECTION 9: Physical and chemical</b>	properties					
9.1. Information on basic physical and	2. A second second by A second second second by the second secon second second sec					
The properties listed below are for the solvent, the main comp	onent of this mixture.					
Physical state	: Liquid					
Appearance	: Liquid.					
Molecular mass	: 128.3 g/mol					
Color	: Colorless.					
Odor	: No data available					
Odor threshold	: No data available					
рН	: No data available					
Relative evaporation rate (butyl acetate=1)	: No data available					
Melting point	: No data available					
Freezing point	: -53 °C (- 63 °F) - lit					
Boiling point	: 151 °C (304 °F) - lit					
Flash point	: 31.0 °C (87.8 °F) - closed cup					
Self ignition temperature	: 205 °C (401 °F)					
Decomposition temperature	: No data available					
Flammability (solid, gas)	: Flammable liquid and vapor					
Vapor pressure	: 12.4 hPa (9.3 mmHg) at 37.7 °C (99.9 °F)					
Relative vapor density at 20 °C	: No data available					
Relative density	: No data available					
Density	: 0.718 g/ml					
Solubility	: Water: 0 %					
Log Pow	: 5.65					
Log Kow	: No data available					
Viscosity, kinematic	: No data available					
Viscosity, dynamic	: No data available					
Explosive properties	: No data available					
Oxidizing properties	: No data available					
Explosive limits	: 0.87 - 2.9 % (V)					
9.2. Other information						

SECTION 10: Stability and reactivity	
10.1. Reactivity	
Vapors may form explosive mixture with air.	
10.2. Chemical stability	
See storage and expiration date on CoA.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Open flame. Overheating. Direct sunlight. Heat. Sparks.	
10.5. Incompatible materials	
Strong oxidizing agents.	

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10.6. Hazardous decomposition products					
May release flammable gases.					
<b>SECTION 11: Toxicological information</b>	on				
11.1. Information on toxicological effects					
	: Harmful if inhaled.				
MODIFIED JIS PCB ALT B CLEAN-UP SOLUT	ION (13C12, 99%)				
LC50 inhalation rat (mg/l)	23760 mg/m <sup>3</sup> male - 4 h				
LC50 inhalation rat (ppm)	3200 ppm/4h				
ATE (gases)	3200.000 ppmV/4h				
ATE (vapors)	11.000 mg/l/4h				
ATE (dust, mist)	1.500 mg/l/4h				
N-NONANE UNLABELED (111-84-2)	·				
LC50 inhalation rat (mg/l)	23760 mg/m <sup>3</sup> male - 4 h				
LC50 inhalation rat (ppm)	3200 ppm/4h				
ATE (gases)	3200.000 ppmV/4h				
ATE (vapors)	11.000 mg/l/4h				
ATE (dust, mist)	23.760 mg/l/4h				
Skin corrosion/irritation	: Causes skin irritation.				
	Skin - rat - Skin irritation - Draize test				
Serious eye damage/irritation	: Causes serious eye irritation.				
, .	No data available				
Respiratory or skin sensitization	: Not available				
	No data available				
Germ cell mutagenicity	: Not available				
Carcinogenicity	: Not classified				
	: Not available				
-1	: May cause drowsiness or dizziness.				
Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.				
Specific target organ toxicity (repeated exposure)	: Not classified				
exposure)	No data available				
Aspiration hazard	: May be fatal if swallowed and enters airways.				
Potential Adverse human health effects and symptoms	: Harmful if inhaled.				
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.				
Symptoms/injuries after skin contact	: Causes skin irritation.				
Symptoms/injuries after eye contact	: Causes eye irritation.				
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.				

SECTION 12: Ecological information	n
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#### 12.1. Toxicity

3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)	
LC50 fish 1	Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	Daphnia magna (Water flea) - 48 h
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d

### 12.2. Persistence and degradability

12.3. E	Bioaccumulative	potential

12.5. Divaccumulative potential	
MODIFIED JIS PCB ALT B CLEAN-UP SOLUTION (13C12, 99%)	
Log Pow 5.65	
Bioaccumulative potential	Indication of bioaccumulation.
N-NONANE UNLABELED (111-84-2)	
Log Pow	5.65

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N-NONANE UNLABELED (111-84-2)	
Bioaccumulative potential	Indication of bioaccumulation.
2,3',4,4',5-PENTACB (PCB-118) (13C12, 989	%) (104130-40-7)
Log Pow	7.12
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (*	105600-23-5)
Bioaccumulative potential	Bioaccumulation: Oryzias latipes - 20 d Bioconcentration factor (BCF): 81.5.
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99	%) (32774-16-6 (Unlabeled))
Log Pow	6.7
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessme	ent
No additional information available	
12.6. Other adverse effects	
Other adverse effects	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SECTION 13: Disposal consideratio	ns
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 of contents/container to
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 /	
14.1. UN number	
UN-No.(DOT)	: 1920
DOT NA no.	UN1920
14.2. UN proper shipping name	
DOT Proper Shipping Name	: Nonanes
Department of Transportation (DOT) Hazard	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Classes	
Hazard labels (DOT)	: 3 - Flammable liquid
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	<ul> <li>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.</li> <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>T2 - 1.5 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
14.3. Additional information	
Other information	: No supplementary information available.
04/02/2016	EN (English LIS) 0/11

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Overland transport	
Packing group (ADR)	: 111
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: F1
Danger labels (ADR)	: 3 - Flammable liquids
	3
Orange plates	<b>30</b> <b>1920</b>
Tunnel restriction code	: D/E
Limited quantities (ADR)	5L
EAC	: 3Y
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	: 128
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
Civil Aeronautics Law	: Flammable liquids
14.4. Environmental hazards	
Other information	: No supplementary information available.
14.5. Special precautions for user	
14.6. Transport in bulk according to Anne	x II of MARPOL 73/78 and the IBC Code
Not applicable	

 SECTION 15: Regulatory information

 15.1. US Federal regulations

 MODIFIED JIS PCB ALT B CLEAN-UP SOLUTION (13C12, 99%)

 SARA Section 311/312 Hazard Classes
 Fire hazard Immediate (acute) health hazard

 N-NONANE UNLABELED (111-84-2)

 SARA Section 311/312 Hazard Classes
 Fire hazard Immediate (acute) health hazard

 SARA Section 311/312 Hazard Classes
 Fire hazard Immediate (acute) health hazard

15.2. International regulations	
CANADA	
MODIFIED JIS PCB ALT B CLEAN-UP SOLUTION (13C12, 99%)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	

#### 15.2.1. National regulations

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15.3. US State regulations	
MODIFIED JIS PCB ALT B CLEAN-UP SOLUTION (13C12, 99%)()	
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 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### N-NONANE UNLABELED (111-84-2)

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.

### **SECTION 16: Other information**

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 toxicity (inhalation) Category 4
Acute toxicity (inhalation:vapour) Category 4
Hazardous to the aquatic environment - Acute Hazard Category 1
Hazardous to the aquatic environment - Chronic Hazard Category 1
Aspiration hazard Category 1
Serious eye damage/eye irritation Category 1
Serious eye damage/eye irritation Category 2
Flammable liquids Category 3
skin corrosion/irritation Category 2
Specific target organ toxicity (repeated exposure) Category 2
Specific target organ toxicity (single exposure) Category 3
Flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye damage
Causes serious eye irritation
Harmful if inhaled
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects
Flammable
Harmful by inhalation
Danger of cumulative effects
Irritating to skin
Risk of serious damage to eyes
Harmful: danger of serious damage to health by prolonged exposure through inhalation
Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Harmful: may cause lung damage if swallowed
Vapors may cause drowsiness and dizziness
Dangerous for the environment
Irritant
Harmful

NFPA health hazard

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



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

NFPA fire hazard	: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity	: 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	: 3 Serious 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