

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: 01/04/2016 Revision date: Version: 1.0

ES-5541

<b>SECTION 1:</b>	Identification of the sul	bstance/mixture and of the company/undertaking
1.1. Produ	uct identifier	
Product form		: Mixture
Product name.		: EFSA-8 NATIVE PAH STANDARD MIXTURE UNLABELED IN ISOOCTANE
Product code		: ES-5541
1.2. Relev	ant identified uses of the sub	stance or mixture and uses advised against
1.2.1. Relev	ant identified uses	
Industrial/Profes	ssional use spec	: For professional use only.
1.2.2. Uses	advised against	
	formation available	
1.3. Detai	Is of the supplier of the safety	/ data sheet
Cambridge Isoto 50 Frontage Ro Andover, MA 0 USA		
	2-1174 Int: 1-978-749-8000 <u>e.com</u> www.isotope.com	
Emer	gency telephone number	
Emergency nun	ibers:	
	00-424-9300 (24 hours)	
	-703-741-5970 (24 hours)	
	Hazards identification	
2.1. Class	sification of the substance or I	mixture
	according to Regulation (EC)	No. 1272/2008 [CLP]
Flam. Liq. 2	H225	
Skin Irrit. 2	H315	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Aquatic Acute 1		
Aquatic Chronic		
⊢ull text of H-ph	rases: see section 16	
<b>Classification</b>	according to Directive 67/548/	'EEC or 1999/45/EC
F; R11	-	
Xi; R38		
N; R50/53 R67		
-	rases: see section 16	
GHS-US classi	fication	
Flam. Liq. 2	H225	

Flam. Liq. 2 Skin Irrit. 2 H315 STOT SE 3 H336 H304 Asp. Tox. 1 H400 Aquatic Acute 1 Aquatic Chronic 1 H410

Adverse physicochemical, human health and environmental effects

Liver, Kidney.

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

2.3. Other hazards

No additional information available

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

3.1. Substances

Not applicable 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC		
ISOOCTANE UNLABELED	(CAS No) 540-84-1 (EC no) 208-759-1 (EC index no) 601-009-00-8	99.99422	Xi; R38 N; R50/53 R67 F; R11		
INDENO[1,2,3-CD]PYRENE UNLABELED	(CAS No) 193-39-5 (EC no) 205-893-2	0.00072	Carc.Cat.3; R40		
BENZO[A]PYRENE UNLABELED	(CAS No) 50-32-8 (EC no) 200-028-5 (EC index no) 601-032-00-3	0.00072	Carc.Cat.1; R45 N; R50/53		
BENZO[GHI]PERYLENE UNLABELED	(CAS No) 191-24-2 (EC no) 205-883-8	0.00072	N; R50/53		
CHRYSENE UNLABELED	(CAS No) 218-01-9 (EC no) 205-923-4 (EC index no) 601-048-00-0	0.00072	Carc.Cat.2; R45 N; R50/53 Muta.Cat.3; R68		
DIBENZ[A,H]ANTHRACENE UNLABELED	(CAS No) 53-70-3 (EC no) 200-181-8 (EC index no) 601-041-00-2	0.00072	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R50/53		
BENZO[B]FLUORANTHENE UNLABELED	(CAS No) 205-99-2 (EC no) 205-911-9 (EC index no) 601-034-00-4	0.00072	Carc.Cat.1; R45 N; R50/53		
BENZ[A]ANTHRACENE UNLABELED	(CAS No) 56-55-3 (EC no) 200-280-6 (EC index no) 601-033-00-9	0.00072	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R50/53		
BENZO[K]FLUORANTHENE UNLABELED	(CAS No) 207-08-9 (EC no) 205-916-6 (EC index no) 601-036-00-5	0.00072	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R50/53		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]		
ISOOCTANE UNLABELED	(CAS No) 540-84-1 (EC no) 208-759-1 (EC index no) 601-009-00-8	99.99422	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		
INDENO[1,2,3-CD]PYRENE UNLABELED	(CAS No) 193-39-5 (EC no) 205-893-2	0.00072	Carc. 2, H351		
BENZO[A]PYRENE UNLABELED	(CAS No) 50-32-8 (EC no) 200-028-5 (EC index no) 601-032-00-3	0.00072	Skin Sens. 1, H317 Muta. 1B, H340 Carc. 1B, H350i Repr. 1B, H360FD Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410		
BENZO[GHI]PERYLENE UNLABELED	(CAS No) 191-24-2 (EC no) 205-883-8	0.00072	Aquatic Acute 1, H400 Aquatic Chronic 1, H410		
CHRYSENE UNLABELED	(CAS No) 218-01-9 (EC no) 205-923-4 (EC index no) 601-048-00-0	0.00072	Muta. 2, H341 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		
DIBENZ[A,H]ANTHRACENE UNLABELED	(CAS No) 53-70-3 (EC no) 200-181-8 (EC index no) 601-041-00-2	0.00072	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		
BENZO[B]FLUORANTHENE UNLABELED	(CAS No) 205-99-2 (EC no) 205-911-9 (EC index no) 601-034-00-4	0.00072	Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]		
BENZ[A]ANTHRACENE UNLABELED	(CAS No) 56-55-3 (EC no) 200-280-6 (EC index no) 601-033-00-9	0.00072	Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		
BENZO[K]FLUORANTHENE UNLABELED	(CAS No) 207-08-9 (EC no) 205-916-6 (EC index no) 601-036-00-5	0.00072	Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410		
Name	Product identifier	%	GHS-US classification		
ISOOCTANE UNLABELED	(CAS No) 540-84-1	99.99422	Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 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	: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	<ul> <li>Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.</li> </ul>
First-aid measures after skin contact	: Wash off with soap and plenty of water. Consult a physician.
First-aid measures after eye contact	: Flush eyes with water as a precaution.
First-aid measures after ingestion	: Immediately call a POISON CENTER or doctor/physician.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/injuries after inhalation	: 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.
4.3. Indication of any immediate med	lical attention and special treatment needed
No additional information available	
<b>SECTION 5: Firefighting measure</b>	s
5.1. Extinguishing media	
Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
5.2. Special hazards arising from the	substance or mixture
Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Reactivity	: Vapors may form explosive mixture with air.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray to cool unopened containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.
6.1.1. For non-emergency personnel	
Emergency procedures	: Use personal protective equipment, and ensure adequate ventilation. Avoid breathing vapors, mist, gas. Remove ignition sources, and move personnel to safe area. Vapors accumulate especially in low areas to form explosive concentrations.
6.1.2. For emergency responders	
Protective equipment	: Avoid breathing dust, mist or spray.
6.2. Environmental precautions	
Prevent further leakage or spillage if safe to o	do so. Do not let product enter drains. Discharge into the environment must be avoided.

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6.3. Methods and materia	I for containment	and cleaning up		
For containment		Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet- brushing and place in container for disposal according to local regulations.		
6.4. Reference to other se				
No additional information available				
<b>SECTION 7: Handling an</b>	d storage			
7.1. Precautions for safe	handling			
Additional hazards when process	sed :	Handle empty containers with care be	cause residual vapours are flammable.	
Precautions for safe handling	:	No naked lights. No smoking. Use only non-sparking tools. Avoid breathing dust, mist or spray. Use only outdoors or in a well-ventilated area.		
Hygiene measures	:	Wash Both hands thoroughly after har	ndling.	
7.2. Conditions for safe s	torage, including	any incompatibilities		
Technical measures	:		static electricity should be followed. Ground/bond se explosion-proof electrical equipment.	
Storage conditions	:	Store refrigerated (-5 C to 5 C). Protect	ct from light.	
Incompatible materials	:	Heat sources.		
7.3. Specific end use(s)				
No additional information availab	ble			
<b>SECTION 8: Exposure co</b>	ontrols/person	al protection		
8.1. Control parameters				
BENZO[A]PYRENE UNLABEI	LED (50-32-8)			
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.	
CHRYSENE UNLABELED (21	8-01-9)			
USA OSHA	OSHA PEL (TWA	) (mg/m3)	0.200000000 mg/m <sup>3</sup> Cancer Substances for which there is a Biological Exposure Index	
0.0 Europune controle				
8.2. Exposure controls Personal protective equipment	•	Cloves Safety glasses Respiratory p	rotection of the dependent type. Protective clothing	
	ersonal protective equipment : Gloves. Safety glasses. Respiratory protection of the dependent type. Protective clothing.			
Hand protection	:	Wear suitable protective clothing and g	gloves.	
Eye protection	:	: Wear safety glasses with side shields (or goggles) and a face shield.		
Skin and body protection	:	: Wear suitable protective clothing.		
Respiratory protection	:	recommended. Wear respiratory prote	ay occur from use, respiratory protection equipment is ction.	
<b>SECTION 9: Physical an</b>	d chemic <u>al pro</u>	operties		
9.1. Information on basic	physical and che	mical properties		
The properties listed below are for the solve				
Physical state		Liquid		
Appearance		Liquid.		
Molecular mass Colour	:	114.23 g/mol		
	•	Colourless. No data available		
Odour Odour threshold		No data available		

Freezing point

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: No data available

: -12 °C (10 °F) - closed cup

: 99 °C (210 °F)

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	ing to reach register / vol. //, no. 50 / Monday, March 20, 2012 / Rules and Regulations
Self ignition temperature	: 396 °C (745 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour
Vapour pressure	: 55 hPa (41 mmHg) at 21 °C (70 °F)
Relative vapour density at 20 °C	: 3.94 - (Air = 1.0)
Relative density	: No data available
Density	: 0.692 g/ml
Solubility	: Water: 0 %
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 6 % (V)
9.2. Other information	
No additional information available	
<b>SECTION 10: Stability and reactivity</b>	
10.1. Reactivity	
Vapors may form explosive mixture with air.	
10.2. Chemical stability	
See storage and expiration date on CoA.	
<b>5</b>	
10.3. Possibility of hazardous reactions No additional information available	
10.4. Conditions to avoid	
Open flame. Direct sunlight.	
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition product	S
May release flammable gases.	
SECTION 11: Toxicological informa	tion

### SECTION 11: Toxicological information 11.1. Information on toxicological effects

Acute toxicity

: Not classified

	LD50 Oral Mouse, 7.57 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
	No data available
Serious eye damage/irritation	: Not classified
	No data available
Respiratory or skin sensitisation	: Not available
	No data available
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not available
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated	: Not classified
exposure)	No data available
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: The chemical, physical, and toxicological properties have not been thoroughly investigated
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.

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Symptoms/injuries after skin contact Symptoms/injuries after eye contact

Symptoms/injuries after ingestion

- : Causes skin irritation. : Causes eye irritation.
- . May be fatal if awallowed

: May be fatal if swallowed and enters airways.

SECTION 12: Ecological informa	ition
12.1. Toxicity	
Ecology - water	: Very toxic to aquatic life with long lasting effects.
BENZO[B]FLUORANTHENE UNLABEL	
EC50 Daphnia 1	Daphnia magna (Water flea) - 24 h
BENZO[A]PYRENE UNLABELED (50-32	
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
CHRYSENE UNLABELED (218-01-9)	
EC50 Daphnia 1	1.90 mg/l Daphni magna (Water flea) - 2 h
DIBENZ[A,H]ANTHRACENE UNLABEL	ED (53-70-3)
EC50 Daphnia 1	0.496 mg/l Daphnia magna (Water flea) - 24 h
12.2. Persistence and degradability	
EFSA-8 NATIVE PAH STANDARD MIXT	
Persistence and degradability	May cause long-term adverse effects in the environment.
BENZ[A]ANTHRACENE UNLABELED (	
Persistence and degradability	Not available.
BENZO[B]FLUORANTHENE UNLABEL	ED (205-99-2)
Persistence and degradability	Not available.
BENZO[K]FLUORANTHENE UNLABEL	ED (207-08-9)
Persistence and degradability	Not available.
BENZO[GHI]PERYLENE UNLABELED	(191-24-2)
Persistence and degradability	Not available.
BENZO[A]PYRENE UNLABELED (50-32	2-8)
Persistence and degradability	Not available.
<b>,</b>	
CHRYSENE UNLABELED (218-01-9) Persistence and degradability	Not available.
• •	
DIBENZ[A,H]ANTHRACENE UNLABEL	ED (53-70-3) Not available.
Persistence and degradability	
INDENO[1,2,3-CD]PYRENE UNLABELE	
Persistence and degradability	Not available.
12.3. Bioaccumulative potential	
BENZ[A]ANTHRACENE UNLABELED	56-55-3)
Bioaccumulative potential	Not available.
BENZO[B]FLUORANTHENE UNLABEL	ED (205-99-2)
Bioaccumulative potential	Not available.
BENZO[K]FLUORANTHENE UNLABEL	
Bioaccumulative potential	Not available.
•	
BENZO[GHI]PERYLENE UNLABELED	
Log Pow Bioaccumulative potential	6.63 Not available.
•	
BENZO[A]PYRENE UNLABELED (50-32	
Log Pow	5.97

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CHRYSENE UNLABELED (218-01-9)	ig to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Log Pow	5.73
Bioaccumulative potential	Not available.
DIBENZ[A,H]ANTHRACENE UNLABELED (5	
Bioaccumulative potential	Not available.
INDENO[1,2,3-CD]PYRENE UNLABELED (19	
Bioaccumulative potential	Not available.
12.4. Mobility in soil	
BENZ[A]ANTHRACENE UNLABELED (56-55	j-3)
Ecology - soil	Not available.
BENZO[B]FLUORANTHENE UNLABELED (2	205-99-2)
Ecology - soil	Not available.
BENZO[K]FLUORANTHENE UNLABELED (2	207-08-0)
Ecology - soil	Not available.
BENZO[GHI]PERYLENE UNLABELED (191- Ecology - soil	24-2) Not available.
BENZO[A]PYRENE UNLABELED (50-32-8)	Natavailabla
Ecology - soil	Not available.
CHRYSENE UNLABELED (218-01-9)	
Ecology - soil	Not available.
DIBENZ[A,H]ANTHRACENE UNLABELED (5	i3-70-3)
Ecology - soil	Not available.
INDENO[1,2,3-CD]PYRENE UNLABELED (19	J3-39-5)
Ecology - soil	Not 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 disposa
	Very toxic to aquatic organisms.
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 in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Hazardous waste due to toxicity.
<b>SECTION 14: Transport information</b>	
In accordance with ADR / RID / ADNR / IMDG /	
14.1. UN number	
UN-No.(DOT)	: 1262
DOT NA no.	UN1262
14.2. UN proper shipping name	
DOT Proper Shipping Name	: Octanes
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
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Packing group (DOT)	: II - Medium Danger		
DOT Special Provisions (49 CFR 172.102)	<ul> <li>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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. T4 - 2.65 178.274(d)(2) Normal</li></ul>		
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150		
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202		
DOT Packaging Bulk (49 CFR 173.xxx)	: 242		
14.3. Additional information			
Other information	: No supplementary information available.		
Overland transport			
Packing group (ADR)	: 11		
Class (ADR)	: 3 - Flammable liquids		
Hazard identification number (Kemler No.)	: 33		
Classification code (ADR)	: F1		
Danger labels (ADR)	: 3 - Flammable liquids		
Orange plates	33 1262		
Tunnel restriction code	: D/E		
Line it and success (it is a (ADD)			

Tunnel restriction code	:	D/E
Limited quantities (ADR)		1L
EAC code	:	3YE
Excepted quantities (ADR)	:	E2

### . .

Transport by sea	
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
MFAG-No	: 128
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
Civil Aeronautics Law	: Flammable liquids(Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)
14.4. Environmental hazards	
Dangerous for the environment	
Other information	: No supplementary information available.

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#### 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				
EFSA-8 NATIVE PAH STANDARD MIXTURE UNLABELED IN ISOOCTANE				
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard			
ISOOCTANE UNLABELED (540-84-1)				
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard			

#### 15.2. International regulations

#### CANADA

EFSA-8 NATIVE PAH STANDARD MIXTURE UNLABELED IN ISOOCTANE Listed on the Canadian DSL (Domestic Sustances List) inventory.

#### 15.2.1. National regulations

No additional information available

#### 15.3. US State regulations

EFSA-8 NATIVE PAH STANDARD MIXTURE UNLABELED IN ISOOCTANE()		
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.	

ISOOCTANE UNLABELED (540-84-1)		
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::

Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 1A	Carcinogenicity, Category 1A	
Carc. 1B	Carcinogenicity (inhalation) Category 1B	
Carc. 1B	Carcinogenicity, Category 1B	
Carc. 2	Carcinogenicity, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Muta. 1B	Germ cell mutagenicity, Category 1B	
Muta. 2	Germ cell mutagenicity, Category 2	
Repr. 1B	Reproductive toxicity, Category 1B	

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Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H350i	May cause cancer by inhalation
H351	Suspected of causing cancer
H360FD	May damage fertility. May damage the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R11	Highly flammable
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R45	May cause cancer
R49	May cause cancer by inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness
R68	Possible risk of irreversible effects
F	Highly flammable
Ν	Dangerous for the environment
Xi	Irritant
F N	Highly flammable Dangerous for the environment

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