

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 11/23/2021 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Mixtu	Iro	
Product name		120 A	
Floduct fiame	: PRO	120 A	
1.2. Recommended use and restrictions on	use		
Use of the substance/mixture	: Prote	ective coating	
1.3. Supplier			
Manufacturer			Importer
NGNT Material Sciences SA			NGNT Material Sciences SA
Chem. du Mont-de-Brez 2			Rockefeller Center - Concourse- Suite 2002
1405 Pomy			610 Fifth Avenue
Switzerland			New York NY 10185
T +41 (0)58 300 1080			United States
			T +1 917 522 2111 (Hours: 10 AM - 5 PM)
1.4. Emergency telephone number			
Emergency number	: Phone	e number (US	6): 917 522 2111; Hours - 9 AM - 5 PM

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids, Category 3	Flammable liquid and vapour.
Specific target organ toxicity — Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.
Aspiration hazard, Category 1	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment — Chronic Hazard, Category 2	Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)	:	
Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

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Precautionary statements (GHS US)	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
		smoking.
		Avoid release to the environment.
		If swallowed: Immediately call a POISON CENTER, a doctor.
		Do NOT induce vomiting.
		Collect spillage.
		Dispose of contents/container to hazardous or special waste collection point, in accordance
		with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product	%	GHS US classification
	identifier		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS-No.: 64742-48-	<40	Flam. Liq. 3
	9		STOT SE 3
			Asp. Tox. 1
Distillates (petroleum), hydro- treated light; Kerosine- unspecified; [A	CAS-No.: 64742-47-	<30	Asp. Tox. 1
complex combination of hydrocarbons obtained by treating a petroleum	8		
fraction with hydrogen in the presence of a catalyst. It consists of			
hydrocarbons having carbon numbers predominantly in the range of C9			
through C16 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).]			
Hexamethyldisiloxane	CAS-No.: 107-46-0	<22	Flam. Liq. 2
			Aquatic Acute 1
			Aquatic Chronic 1
Xylene	CAS-No.: 1330-20-7	<9	Flam. Liq. 3
			Acute Tox. 4 (Dermal)
			Acute Tox. 4 (Inhalation)
			Skin Irrit. 2
Methylmethoxy siloxane with methyl silsesquioxane	CAS-No.: 68037-85- 4	<5	Flam. Liq. 3
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	CAS-No.: 51851-37-	<1	STOT RE 2
···· ·································	7		
Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium	CAS-No.: 27858-32-	<0,35	Flam. Liq. 3
	8		Eye Irrit. 2
			STOT SE 3
toluene	CAS-No.: 108-88-3	<0,08	Flam. Liq. 2
			Skin Irrit. 2
			Repr. 2
			STOT SE 3
			STOT RE 2
			Asp. Tox. 1

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Name	Product identifier	%	GHS US classification
methanol	CAS-No.: 67-56-1	<0,05	Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation) STOT SE 1
tetraethyl silicate; ethyl silicate	CAS-No.: 78-10-4	<0,03	Flam. Liq. 3 Acute Tox. 4 (Inhalation) Eye Irrit. 2 STOT SE 3

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	:	Call a physician immediately.
First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	:	Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	:	Rinse eyes with water as a precaution.
First-aid measures after ingestion	:	Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and	:	May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
symptoms		
Symptoms/effects	:	May cause drowsiness or dizziness.
Symptoms/effects after ingestion	:	Risk of lung oedema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically. Based on the assessment of risk of hazardous chemical agents, the competent person will settle the appropriate medical surveillance protocol, in accordance with the national legislation, in order to protect the health status of the workers.

SECTION 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Specific hazards arising from the chemical				
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Fire hazard	:	Flammable liquid and vapour.		
	:	Flammable liquid and vapour. Toxic fumes may be released.		

Firefighting instructions	:	Prevent fire fighting water from entering the environment.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing
		apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours,
		fume. Evacuate unnecessary personnel.
6.1.2. For emergency responders		
6.1.2. For emergency responders Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information

6.2. Environmental precautions

Toxic to aquatic life with long lasting effects. Avoid release to the environment. Do not let the product enter drainage system, surface and ground-water or soil. Contact local authorities in case of environmental release. Do not empty into drains.

6.3. Methods and material for containment and cleaning up

For containment	:	Collect spillage.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public
		waters. Do not allow product to spread into the environment. Ventilate affected area.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer also to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, fume.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Ground/bond container and receiving equipment.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Incompatible materials	:	Strong oxidizing agents.
Heat and ignition sources	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
		smoking.
Storage area	:	Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

No additional information available

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Distillates (petroleum), hydro- treated light; Kerosine- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] (64742 - 47 - 8)No additional information available Hexamethyldisiloxane (107-46-0) No additional information available Xylene (1330-20-7) **USA - ACGIH - Occupational Exposure Limits** Local name Xylene, mixed isomers (Dimethylbenzene) ACGIH OEL TWA [ppm] 100 ppm ACGIH OEL STEL [ppm] 150 ppm TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Remark (ACGIH) Carcinogen); BEI ACGIH 2021 Regulatory reference **USA - ACGIH - Biological Exposure Indices** Local name XYLENES (Technical or commercial grade) BEI 1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift ACGIH 2021 Regulatory reference toluene (108-88-3) **USA - ACGIH - Occupational Exposure Limits** Local name Toluene ACGIH OEL TWA [ppm] 20 ppm Remark (ACGIH) TLV® Basis: CNS, visual & hearing impair; female repro system eff; pregnancy loss. Notations: OTO; A4 (Not classifiable as a Human Carcinogen); BEI Regulatory reference ACGIH 2021 **USA - ACGIH - Biological Exposure Indices** TOLUENE Local name 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: End of shift BEI 0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: Prior to last shift of workweek 0.3 mg/g creatinine Parameter: o-Cresol (with hydrolysis) - Medium: urine - Sampling time: End of shift - Notations: B ACGIH 2021 Regulatory reference **USA - OSHA - Occupational Exposure Limits** Local name Toluene OSHA PEL TWA [2] 200 ppm OSHA PEL C [ppm] 300 ppm Acceptable maximum peak above the acceptable 500 ppm 10 mins. ceiling concentration for an 8-hr shift OSHA Annotated Table Z-2 Regulatory reference (US-OSHA) Methylmethoxy siloxane with methyl silsesquioxane (68037-85-4) No additional information available methanol (67-56-1) **USA - ACGIH - Occupational Exposure Limits** Local name Methanol ACGIH OEL TWA [ppm] 200 ppm ACGIH OEL STEL [ppm] 250 ppm Remark (ACGIH) TLV® Basis: Headache; eye dam; dizziness; nausea. Notations: Skin; BEI ACGIH chemical category Skin - potential significant contribution to overall exposure by the cutaneous route ACGIH 2021 Regulatory reference **USA - OSHA - Occupational Exposure Limits** Methyl alcohol Local name OSHA PEL TWA [1] 260 mg/m³ OSHA PEL TWA [2] 200 ppm Regulatory reference (US-OSHA) **OSHA Annotated Table Z-1**

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Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane (51851-37-7)			
No additional information available			
tetraethyl silicate; ethyl silicate (78-10-4)			
USA - ACGIH - Occupational Exposure Limits			
Local name	Ethyl silicate		
ACGIH OEL TWA [ppm]	10 ppm		
Remark (ACGIH)	TLV® Basis: URT & eye irr; kidney dam		
Regulatory reference	ACGIH 2021		
USA - OSHA - Occupational Exposure Limits			
Local name	Ethyl silicate		
OSHA PEL TWA [1]	850 mg/m³		
OSHA PEL TWA [2]	100 ppm		
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		
Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium (27858-32-8)			
No additional information available			
Monitoring methods			
Monitoring methods	The measurement of substances at the workplace must be carried out with standardized		
	methods or, failing that, with appropriate methods.		

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Ensure good ventilation of the work station. Appropriate risk management measures, that must
		be adopted at the workplace, have to be selected and applied, following the risks assessment carried out by the employer, in connection with his working activity. If the results of this evaluation show that the general and collective prevention measures are not sufficient to reduce the risk, and if you cannot prevent exposure to the mixture by other means, adequate personal protective equipment must be adopted, complying with the relevant technical national/international standards.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wear recommended personal protective equipment.
Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Transparent
Odour	:	light solvent smell
Odour threshold	:	No data available
рН	:	Neutral
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available

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Flash point	:	45 °C
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Toxic fumes may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified (Based on available data, the classification criteria are not met)		
Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met)		
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)				
LD50 oral rat		> 5000 mg/kg Read-across		
LD50 dermal rat		> 2000 mg/kg bodyweight Read-across		
LC50 Inhalation - Rat		> 5000 mg/m ³ Read-across		

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Distillates (petroleum), hydro- treated light;	Kerosine— unspecified; [A complex combination of hydrocarbons obtained by		
treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers			
predominantly in the range of C9 through C1 (64742-47-8)	6 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).]		
LD50 oral rat	> 5000 mg/kg in male and female rats for kerosine (similar to OECD 420)		
LD50 dermal rabbit	> 2000 mg/kg in male and female rabbits for kerosine (similar to OECD 402)		
LC50 Inhalation - Rat	> 5.28 mg/l vapour in male and female rats for kerosine (similar to OECD 403)		
Hexamethyldisiloxane (107-46-0)			
LD50 oral rat	> 5000 mg/kg		
LC50 Inhalation - Rat [ppm]	15956 ppm		
Xylene (1330-20-7)			
LD50 oral rat	3523 mg/kg bodyweight		
ATE US (oral)	3523 mg/kg bodyweight		
ATE US (dermal)	1100 mg/kg bodyweight		
ATE US (gases)	4500 ppmv/4h		
ATE US (vapours)	11 mg/l/4h		
ATE US (dust, mist)	1.5 mg/l/4h		
Additional data	In animal studies xylene isomers (including mixed xylene) exhibit low acute toxicity by oral route		
	with the reported LD50 values all exceeding 2000 mg/kg bw.		
toluono (109.99.2)			
toluene (108-88-3) LD50 oral rat	5580 mg/kg		
LD50 dermal rabbit	12400 mg/kg		
ATE US (oral)	4328 mg/kg bodyweight		
ATE US (dermal)			
	6000 mg/kg bodyweight 210 mg/l/4h		
ATE US (vapours)	, , , , , , , , , , , , , , , , , , ,		
Methylmethoxy siloxane with methyl silsesqu			
LD50 oral rat	> 10000 mg/kg		
methanol (67-56-1)			
ATE US (oral)	100 mg/kg bodyweight		
ATE US (dermal)	300 mg/kg bodyweight		
ATE US (gases)	700 ppmv/4h		
ATE US (vapours)	3 mg/l/4h		
ATE US (dust,mist)	0.5 mg/l/4h		
Additional data	Methanol- In humans, transient central nervous system (CNS) effects appear above blood		
	methanol levels of 200 mg/L and serious ocular symptoms appear above 500 mg/L. The		
	minimal acute methanol dose to humans that can result in death is considered to be 300 to		
	1,000 mg/kg by ingestion, and fatalities have occurred in untreated patients with initial methanol		
	blood levels in the range of 1,500- 2,000 mg/L		
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluor			
LD50 oral rat	> 2000 mg/kg bodyweight OECD Guideline 423		
LD50 dermal rat	> 2000 mg/kg bodyweight OECD Guideline 402		
tetraethyl silicate; ethyl silicate (78-10-4)			
LD50 oral rat	> 2500 mg/kg bodyweight		
ATE US (gases)	4500 ppmv/4h		
ATE US (vapours)	16.83 mg/l/4h		
ATE US (dust,mist)	1.5 mg/l/4h		
Bis(ethyl acetoacetato-O1',O3)bis(propan-2-o	Dato)titanium (27858-32-8)		
LD50 oral rat	23020 mg/kg bodyweight		
LD50 dermal rabbit	12870 mg/kg bodyweight		
ATE US (oral)			
ATE US (oral) ATE US (dermal)	23020 mg/kg bodyweight 12870 mg/kg bodyweight		

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Skin corrosion/irritation	:	Not classified (Based on available data, the classification criteria are not met)
		Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics: several studies have been carried out on this group of substances; the results showed that this substance is not irritating to the skin
		Xylene: The available data indicate that mixed xylene should be considered to be irritating to skin.
		Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium: mild skin irritation was observed in guinea pigs
		Toluene is irritating to the skin
		Methanol. In vivo test on rabbit: no adverse effect observed (not irritating).
		Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane: based on a study according to OECD Guideline 404 (rabbit), the substance is not irritating.
		Ethyl silicate is slightly irritating to the skin of rabbits, but does not meet the criteria for classification as irritant.
		pH: Neutral
Serious eye damage/irritation	:	Not classified (Based on available data, the classification criteria are not met)
		Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics are not irritating to the eyes (read across from supporting substances, test on rabbits).
		Distillates (petroleum), hydrotreated light: kerosine was found to be non-irritating to rabbit eyes when exposed to 0.1 mL of test substance (OECD 405).
		Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium: the substance is considered to be an eye irritant (weight of evidence)
		Methanol. In six rabbits, mild to moderate conjunctivitis and oedema as well as mild iritis were produced after instillation of 0.1 mL undiluted methanol into the eyes. Average scores after 24, 48, and 72 h were approximately two for conjunctival redness and less than one for other effects. Primary irritation subsided although redness of the conjunctivae persisted after 72 hours (OECD, 2004).
		Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane: based on a study according to OECD Guideline 405, the substance is only slightly irritating
		Ethyl silicate: vapours of ethyl silicate are irritating to the eyes and to the respiratory tract
		pH: Neutral
Respiratory or skin sensitisation	:	Not classified (Based on available data, the classification criteria are not met)
		Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics: there are studies on guinea pigs (read across from supporting substances) which show that the substance is not a skin sensitizer. Based on the skin sensitization tests, it is presumed that there is no respiratory sensitization potential (specific studies were not performed).
		Distillates (petroleum), hydrotreated light: in animal assays (similar to OECD 406) for skin sensitisation, kerosines did not elicit a positive response.
		Xylene is an unreactive chemical that would not be identified on the basis of chemical structure as being a potential skin sensitizer. In addition, there is no clinical evidence demonstrating that xylene causes skin sensitization in humans, even when tested in a very rigorous human predictive assay.
		Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium: the substance is not considered to be a skin sensitizer
		Skin sensitization: Methanol is not considered to be a skin sensitizer in guinea pigs.
		Respiratory sensitization: Methanol is not considered to be a respiratory sensitiser in guinea pigs.
		Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane is not a skin sensitizer (studies on guinea pigs)
		Tetraethyl orthosilicate is not a skin sensitizer (studies in guinea-pigs).

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Germ cell mutagenicity		Not classified (Based on available data, the classification criteria are not met)
		Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics: all the in vivo and in vitro studies were negative
		Distillates (petroleum), hydrotreated light: there were no studiesthat described mutagenic or
		genotoxic effects of kerosine or jet fuels in humans. Because most of the experimental studies
		were negative and the data on various individual components of kerosines and jet fuels were
		negative, the weight of evidence from in vitro and in vivo mutagenic studies indicates that
		kerosine and jet fuels are likely not mutagens and are not classified as mutagens
		Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium: the substance was not mutagenic in a bacterial reverse mutagenetic test (test on Salmonella Typhimurium)
		Methanol. In the in-vitro tests and in-vivo tests carried out, no genotoxic potential was detectable
		Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane is not genotoxic
		Ethyl silicate: tests in vitro show that the substance does not induce mutations or chromosome
		aberrations in mammals cells
Carcinogenicity	:	Not classified (Based on available data, the classification criteria are not met)
		Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics are highly unlikely to be carcinogenic
		Distillates (petroleum), hydrotreated light: kerosine is not carcinogenic when animals are
		exposed via the oral or inhalation route.
		Xylene: there is no evidence of carcinogenic activity
		Methanol. There was no evidence of carcinogenic potential in rats and mice that inhaled the
		chemical at concentrations up to 1.3 mg/L for 24 and 18 months, respectively. The weight of
		evidence suggests that methanol is not carcinogenic (OECD, 2004).
Vylana (1220-20-7)		
Xylene (1330-20-7)		
IARC group		3 - Not classifiable
IARC group toluene (108-88-3)		
IARC group toluene (108-88-3) IARC group		3 - Not classifiable
IARC group toluene (108-88-3) IARC group Reproductive toxicity		3 - Not classifiable Not classified (Based on available data, the classification criteria are not met)
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light	nt; k	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Kerosine— unspecified; [A complex combination of hydrocarbons obtained by
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge	nt; k en in	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met)
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8)	nt; k en in	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Kerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).]
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8) NOAEL (animal/male, F0/P)	nt; k en in	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Kerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8) NOAEL (animal/male, F0/P) Xylene (1330-20-7)	nt; k en in	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Cerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers 5 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] 1000 mg/kg bodyweight 2-generation reproductive studies (OECD 416)
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated lightreating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8) NOAEL (animal/male, F0/P) Xylene (1330-20-7) Additional data	nt; k en in	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Kerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).]
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IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8) NOAEL (animal/male, F0/P) Xylene (1330-20-7) Additional data toluene (108-88-3) Additional data methanol (67-56-1) Additional data Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafle Additional data	nt; k en in C10	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Cerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers 5 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] 1000 mg/kg bodyweight 2-generation reproductive studies (OECD 416) No adverse effects for reproduction were observed Toluene is suspected to cause damages to the unborn child Methanol. Based on the data available, the chemical is not considered to have reproductive or developmental toxicity in humans. No impairment of fertility or reproductive performance was reported in male and female rats exposed to the chemical, unless at very high doses. No epidemiological studies in humans have been located to demonstrate that there is a link between methanol exposure and an increased incidence of fetal malformations or developmental impairment.
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IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8) NOAEL (animal/male, F0/P) Xylene (1330-20-7) Additional data toluene (108-88-3) Additional data methanol (67-56-1) Additional data Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafle Additional data tetraethyl silicate; ethyl silicate (78-10-4)	nt; k en in C10	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Cerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers 5 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] 1000 mg/kg bodyweight 2-generation reproductive studies (OECD 416) No adverse effects for reproduction were observed Toluene is suspected to cause damages to the unborn child Methanol. Based on the data available, the chemical is not considered to have reproductive or developmental toxicity in humans. No impairment of fertility or reproductive performance was reported in male and female rats exposed to the chemical, unless at very high doses. No epidemiological studies in humans have been located to demonstrate that there is a link between methanol exposure and an increased incidence of fetal malformations or developmental impairment. poctyl)silane (51851-37-7)
IARC group toluene (108-88-3) IARC group Reproductive toxicity Distillates (petroleum), hydro- treated light treating a petroleum fraction with hydroge predominantly in the range of C9 through (64742-47-8) NOAEL (animal/male, F0/P) Xylene (1330-20-7) Additional data toluene (108-88-3) Additional data methanol (67-56-1) Additional data Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecaft Additional data tetraethyl silicate; ethyl silicate (78-10-4) Additional data	uoro	3 - Not classifiable Not classified (Based on available data, the classification criteria are not met) Cerosine— unspecified; [A complex combination of hydrocarbons obtained by the presence of a catalyst. It consists of hydrocarbons having carbon numbers and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] 1000 mg/kg bodyweight 2-generation reproductive studies (OECD 416) No adverse effects for reproduction were observed Toluene is suspected to cause damages to the unborn child Methanol. Based on the data available, the chemical is not considered to have reproductive or developmental toxicity in humans. No impairment of fertility or reproductive performance was reported in male and female rats exposed to the chemical, unless at very high doses. No epidemiological studies in humans have been located to demonstrate that there is a link between methanol exposure and an increased incidence of fetal malformations or developmental impairment. Doctyl)silane (51851-37-7) The substance did not show adverse effects on reproduction. No adverse effects for reproduction were observed May cause drowsiness or dizziness.

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Distillates (petroleum), hydro- treated light; Kerosine— unspecified; [A complex combination of hydrocarbons obtained by				
treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers				
predominantly in the range of C9 through C16 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] (64742-47-8)				
NOAEL (oral, rat)		750 mg/kg bodyweight		
NOAEL (dermal, rat/rabbit)		≥ 495 mg/kg bodyweight		
NOAEC (inhalation, rat, vapour)		1 mg/l		
toluene (108-88-3)				
STOT-single exposure		May cause drowsiness or dizziness.		
Additional data		Inhalation of toluene may cause drowsiness or dizziness (single exposure)		
methanol (67-56-1) STOT-single exposure		Causes damage to organs.		
Additional data		Methanol: exposure to excessive vapour causes eye irritation, drowsiness, headache and		
		fatigue; exposure to high concentrations can cause damages to the optic nerve and central nervous system depression. Ingestion may cause eye damages.		
tetraethyl silicate; ethyl silicate (78-10-4)				
STOT-single exposure		May cause respiratory irritation.		
Additional data		Ethyl silicate: vapours of ethyl silicate are irritating to the eyes and to the respiratory tract		
Bis(ethyl acetoacetato-O1',O3)bis(propan	-2-0			
STOT-single exposure		May cause drowsiness or dizziness.		
STOT-repeated exposure	1:	Not classified (Based on available data, the classification criteria are not met)		
Hydrocarbons, C9-C11, n-alkanes, isoalka	ne			
NOAEL (oral, rat, 90 days)				
		≥ 5000 mg/kg bodyweight/day		
toluene (108-88-3)				
STOT-repeated exposure		May cause damage to organs through prolonged or repeated exposure.		
Additional data		Repeated exposure to toluene (via inhalation route) can cause damage to central-nervous system		
methanol (67-56-1)				
Additional data		Methanol. In studies with rodents, methanol produced only slight toxicity effects. In monkeys, instead, methanol produced neurological effects such us slight peripheral nerve damage, very slight degeneration of the optic nerve, coma and lethality. In these animals, methanol also produced liver and kidney effects. A study published by the National Institute for Occupational Safety and Health (NIOSH) stated that a group of workers exposed to 0.48–4.0 mg/L (99% methanol) had increased symptoms relevant to methanol toxicity such as headache, dizziness, and eye irritation compared with a non-exposed control group at the same workplace.		
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane (51851-37-7)				
NOAEL (oral, rat, 90 days)		50 mg/kg bodyweight OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the		
		Reproduction / Developmental Toxicity Screening Test)		
STOT-repeated exposure		May cause damage to organs through prolonged or repeated exposure.		
Additional data		After repeated exposure via oral route, the substance may cause damage to organs.		
tetraethyl silicate; ethyl silicate (78-10-4)				
NOAEL (oral, rat, 90 days)		10 – 50 mg/kg bodyweight OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)		
Aspiration hazard	:	May be fatal if swallowed and enters airways.		
Viscosity, kinematic	:	No data available		
Potential adverse human health effects and	:	May cause drowsiness or dizziness.		
symptoms		May be fatal if swallowed and enters airways.		
Symptoms/effects	:	May cause drowsiness or dizziness.		
Symptoms/effects after ingestion	:	Risk of lung oedema.		

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general :	Toxic to aquatic life with long lasting effects.				
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)					
LC50 - Fish [1]	LL50 >1000 mg/L, Oncorhynchus mykiss				
EC50 - Crustacea [1]	LL50 >1000 mg/L, Daphnia magna				
NOEC chronic algae	NOELR =100 mg/L, Pseudokirchneriella subcapitata				
treating a petroleum fraction with hydrogen ir predominantly in the range of C9 through C1 (64742-47-8)	Distillates (petroleum), hydro- treated light; Kerosine— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] (64742-47-8)				
LC50 - Fish [1]	2 – 5 mg/l OECD Guideline 203 (Fish, Acute Toxicity Test)				
EC50 - Crustacea [1]	1.4 mg/l OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)				
NOEC chronic crustacea	0.48 OECD Guideline 211 (Daphnia magna Reproduction Test)				
Xylene (1330-20-7)					
LC50 - Fish [1]	2.6 mg/l Oncorhynchus mykiss (Rainbow trout)				
NOEC chronic fish	> 1.3 mg/l Salmo gairdneri				
toluene (108-88-3)					
LC50 - Fish [1]	13 mg/l Carassius auratus (goldfish)				
EC50 - Crustacea [1]	11.5 mg/l Daphnia magna (Water flea)				
LC50 - Fish [2]	24 Oncorhynchus mykiss (Rainbow trout)				
methanol (67-56-1)					
LC50 - Fish [1]	15400 mg/l Lepomis macrochirus (Bluegill)				
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna (Water flea)				
NOEC chronic fish	15800 mg/l Oryzias latipes (Ricefish)				
NOEC chronic crustacea	208 mg/l Daphnia magna (Water flea)				
Additional ecotoxicological information					
	EC50 activated sludge = 19800 mg/L				
	IC50 activated sludge >1000 mg/L				
	IC50 Nitrosamonas = 880 mg/L				
	Toxic limit concentration Pseudomonas, Microcystis aeruginosa. = 530 - 6600 mg/L				
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluor					
LC50 - Fish [1]	> 3.1 mg/l Cyprinus carpio (Common carp)				
EC50 - Crustacea [1] > 9 mg/l Daphnia magna (Water flea)					
tetraethyl silicate; ethyl silicate (78-10-4)					
LC50 - Fish [1]	> 245 mg/l Brachydanio rerio (zebra-fish)				
EC50 - Crustacea [1] > 75 mg/l Daphnia magna (Water flea)					
Bis(ethyl acetoacetato-O1',O3)bis(propan-2-c					
LC50 - Fish [1] 9640 mg/l Pimephales promelas					
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)				

12.2. Persistence and degradability

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9) Persistence and degradability readily biodegradable.					
Distillates (petroleum), hydro- treated light; Kerosine— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).] (64742-47-8)					
Persistence and degradability	Kerosines are readily to inherently biodegradable.				
Hexamethyldisiloxane (107-46-0)					
Persistence and degradability Not biodegradable.					
Xylene (1330-20-7)					
Persistence and degradability					

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toluene (108-88-3)					
Persistence and degradability	readily biodegradable.				
methanol (67-56-1)					
Persistence and degradability	Methanol is readily biodegradable. It does not undergo hydrolysis. Volatilization is not a				
	significant removal process from the aquatic compartment. Methanol is degraded in the				
	atmosphere by photochemical, hydroxyl-radical dependent reactions.				
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane (51851-37-7)					
Persistence and degradability	Not biodegradable.				
tetraethyl silicate; ethyl silicate (78-10-4)					
Persistence and degradability	readily biodegradable.				
Bis(ethyl acetoacetato-O1',O3)bis(propan-2-olato)titanium (27858-32-8)					
Persistence and degradability	readily biodegradable.				

12.3. Bioaccumulative potential

Xylene (1330-20-7)				
Bioaccumulative potential	Low bioaccumulation potential.			
toluene (108-88-3)				
Bioconcentration factor (BCF REACH)	1300			
Partition coefficient n-octanol/water (Log Pow)	4.2			
Bioaccumulative potential	Low bioaccumulation potential.			
methanol (67-56-1)				
Bioaccumulative potential	Methanol does not significantly bioaccumulate in fish. Experimental BCFs of < 10 in fish			
	species, including Cyprinus carpio and Leuciscus idus, have been reported.			
tetraethyl silicate; ethyl silicate (78-10-4)				
Bioaccumulative potential	Low bioaccumulation potential.			

12.4. Mobility in soil

toluene (108-88-3)				
Mobility in soil	Toluene is expected to have high to moderate mobility in soil.			
methanol (67-56-1)				
Mobility in soil	Methanol. The low octanol/water partition coefficient value of -0.7 suggest a high mobility in			
	soil.			
tetraethyl silicate; ethyl silicate (78-10-4)				
Mobility in soil	Based on a Kow=1 (estimated), ethyl silicate is expected to have a very high mobility in soil.			
	The substance is also expected to volatilize from dry soil surfaces (based on the vapour			
	pressure)			

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)	:	Disposal must be done according to official regulations.			
Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.			
Additional information	:	Flammable vapours may accumulate in the container.			
Ecology - waste materials	:	Avoid release to the environment. Do not empty into drains.			

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

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ADR	IMDG	ΙΑΤΑ	RID						
14.1. UN number or ID number	er								
UN 1139	UN 1139	UN 1139	UN 1139						
14.2. UN proper shipping name									
COATING SOLUTION	COATING SOLUTION	Coating solution (Hydrocarbons,	COATING SOLUTION						
(Hydrocarbons, C9-C11, n-	(Hydrocarbons, C9-C11, n-	C9-C11, n-alkanes, isoalkanes,	(Hydrocarbons, C9-C11, n-						
alkanes, isoalkanes, cyclics, <	alkanes, isoalkanes, cyclics, <	cyclics, < 2% aromatics)	alkanes, isoalkanes, cyclics, <						
2% aromatics)	2% aromatics)		2% aromatics)						
Transport document description	·								
UN 1139 COATING SOLUTION	UN 1139 COATING SOLUTION	UN 1139 Coating solution	UN 1139 COATING SOLUTION						
(Hydrocarbons, C9-C11, n-	(Hydrocarbons, C9-C11, n-	(Hydrocarbons, C9-C11, n-	(Hydrocarbons, C9-C11, n-						
alkanes, isoalkanes, cyclics, <	alkanes, isoalkanes, cyclics, <	alkanes, isoalkanes, cyclics, <	alkanes, isoalkanes, cyclics, <						
2% aromatics), 3, III, (D/E),	2% aromatics), 3, III, MARINE	2% aromatics), 3, III	2% aromatics), 3, III,						
ENVIRONMENTALLY	POLLUTANT/ENVIRONMENTAL		ENVIRONMENTALLY						
HAZARDOUS	LY HAZARDOUS		HAZARDOUS						
14.3. Transport hazard class(es)								
3	3	3	3						
14.4. Packing group									
III	III	III	III						
14.5. Environmental hazards									
Dangerous for the environment:	Dangerous for the environment:	Dangerous for the environment:	Dangerous for the environment:						
Yes	Yes	No	Yes						
	Marine pollutant: Yes								
No supplementary information avail	lable		•						

14.6. Special precautions for user

Overland transport		
Classification code (ADR)	:	F1
Limited quantities (ADR)	:	51
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	Τ2
Portable tank and bulk container special provisions (ADR)	:	TP1
Tank code (ADR)	:	LGBF
Vehicle for tank carriage	:	FL
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Operation (ADR)	:	S2
Hazard identification number (Kemler No.)	:	30
Orange plates	:	30 1139
Tunnel restriction code (ADR)	:	D/E
EAC code	:	•3Y

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Transport by sea		
Special provisions (IMDG)	:	955
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T2
Tank special provisions (IMDG)	:	TP1
EmS-No. (Fire)	:	F-E
EmS-No. (Spillage)	:	S-E
Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Miscibility with water depends upon the composition.

Air transport			
PCA Excepted quantities (IATA)	:	E1	
PCA Limited quantities (IATA)	:	Y344	
PCA limited quantity max net quantity (IATA)	:	10L	
PCA packing instructions (IATA)	:	355	
PCA max net quantity (IATA)	:	60L	
CAO packing instructions (IATA)	:	366	
CAO max net quantity (IATA)	:	220L	
Special provisions (IATA)	:	A3	
ERG code (IATA)	:	3L	

Rail transport		
Classification code (RID)	:	F1
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	Τ2
Portable tank and bulk container special provisions (RID)	:	TP1
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30

14.7. 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

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	64742-48-9	Present	Active	

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Name	CAS-No.	Listing	Commercial	Flags
Name	CAS-NO.	Listing	status	riags
Distillates (petroleum), hydro- treated light;	64742-47-8	Present	Active	
Kerosine— unspecified; [A complex combination of				
hydrocarbons obtained by treating a petroleum				
fraction with hydrogen in the presence of a catalyst.				
It consists of hydrocarbons having carbon numbers				
predominantly in the range of C9 through C16 and				
boiling in the range of approxi mately 150 °C to 290				
°C (302 °F to 554 °F).]				
Hexamethyldisiloxane	107-46-0	Present	Active	
Xylene	1330-20-7	Present	Active	
toluene	108-88-3	Present	Active	
Methylmethoxy siloxane with methyl silsesquioxane	68037-85-4	Present	Active	XU
methanol	67-56-1	Present	Active	XU
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-	51851-37-7	Present	Active	PMN;S
tridecafluorooctyl)silane				
tetraethyl silicate; ethyl silicate	78-10-4	Present	Active	PMN;S
Bis(ethyl acetoacetato-O1',O3)bis(propan-2-	27858-32-8	Present	Active	PMN;S
olato)titanium	21000 02 0	Trosent		1 10114,0
olatojitanam				
Xylene (1330-20-7)				
Subject to reporting requirements of United States SA	RA Section 313			
Listed on EPA Hazardous Air Pollutant (HAPS)				
CERCLA RQ	100 lb			
CERCEA RQ	0010			
toluono (400.00.2)				
toluene (108-88-3)	PA Section 212			
Subject to reporting requirements of United States SARA Section 313				
Listed on EPA Hazardous Air Pollutant (HAPS) CERCLA RQ 1000 lb				
CENCER NO	1000 lb			
mothanol (67-56-1)				
methanol (67-56-1) Subject to reporting requirements of United States SA	RA Section 313			
Listed on EPA Hazardous Air Pollutant (HAPS)	INA Section 515			
CERCLA RQ	5000 lb			
CERCLARQ	3000 lb			
15.2. International regulations				
13.2. International regulations				
CANADA				
Hydrocarbons, C9-C11 n-alkanes, isoalkane	s cyclics < 2% ar	omatics (64742-4	8-9)	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9) Listed on the Canadian DSL (Domestic Substances List)				
Distillatos (potroloum), budro- troatod light;	Korosino— unspo	cified: [A comple	x combination of by	drocarbons obtained by
Distillates (petroleum), hydro- treated light; Kerosine— unspecified; [A complex combination of hydrocarbons obtained by				
treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approxi mately 150 °C to 290 °C (302 °F to 554 °F).]				
(64742-47-8)				
Listed on the Canadian DSL (Domestic Substances List)				
Hexamethyldisiloxane (107-46-0)				
Listed on the Canadian DSL (Domestic Substances List)				
Yulene (1330-20-7)				
Xylene (1330-20-7) Listed on the Canadian DSL (Domestic Substances Li	et)			
toluono (100, 90, 2)				

toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

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Methylmethoxy siloxane with methyl silsesquioxane (68037-85-4)					
	DSL (Non-Domestic Substar				
methanol (67-56-1)					
Listed on the Canadian D	SL (Domestic Substances Li	st)			
tetraethyl silicate; eth					
Listed on the Canadian D	SL (Domestic Substances Li	st)			
	o-O1',O3)bis(propan-2-c		3-32-8)		
Listed on the Canadian D	SL (Domestic Substances Li	st)			
EU-Regulations					
No additional information av	(cilchlo				
No additional information av	allable				
National regulations					
Hydrocarbons, C9-C1	1, n-alkanes, isoalkanes	s. cyclics. < 2% aron	natics (64742-48-9)		
	National Inventory of Chemic				
	,	,			
Distillates (petroleum), hydro- treated light; I	Kerosine— unspecif	ied: IA complex co	mbination of hvdroo	carbons obtained by
	raction with hydrogen in				
	range of C9 through C1				
(64742-47-8)					
Listed on INSQ (Mexican	National Inventory of Chemic	cal Substances)			
Hexamethyldisiloxane (107-46-0)					
Listed on INSQ (Mexican National Inventory of Chemical Substances)					
Xylene (1330-20-7)					
Listed on INSQ (Mexican National Inventory of Chemical Substances)					
toluene (108-88-3)		. .			
Listed on INSQ (Mexican	National Inventory of Chemic	cal Substances)			
methanol (67-56-1)					
Listed on INSQ (Mexican National Inventory of Chemical Substances)					
tetraethyl silicate; ethyl silicate (78-10-4)					
Listed on INSQ (Mexican National Inventory of Chemical Substances)					
15.3. US State regulation	ons				
toluene (108-88-3)					
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk	Maximum allowable
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	level (NSRL)	dose level (MADL)
Carcinogens List	Developmental Toxicity	Reproductive	Reproductive		
		Toxicity - Female	Toxicity - Male		
No	Yes	No	No		7000 µg/day
methanol (67-56-1)					
				1	

U.S California -	U.S California -	U.S California -	U.S California -	No significant risk	Maximum allowable
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	level (NSRL)	dose level (MADL)
Carcinogens List	Developmental Toxicity	Reproductive	Reproductive		· · · · ·
		Toxicity - Female	Toxicity - Male		
No	Yes	No	No		47000 µg/day
					(inhalation); 23,000
					µg/day (oral)

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SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations				
	Data sources	: ECHA Database. SDS suppliers. CORAP Evaluation: Substance evaluation conclusion and		
			evaluation report. PubChem Database.	
	Training advice	:	Follow National requirements to ensure protection of human health and the environment.	

Safety Data Sheet (SDS), USA

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.