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	y Data Sheet dated 5/1/2018, version 3 ION 1: Identification of the substance/mixture and of the company/undertaking
	1.1. Product identifier Trade name: KERAPOXY CQ comp. B
	 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use: Hardener for epoxy products. Uses advised against: ==
	 1.3. Details of the supplier of the safety data sheet Supplier: MAPEI S.p.A Via Cafiero, 22 - 20158 Milano Tel: +39-02-376731
	Fax: +39-02-37673.214 Competent person responsible for the safety data sheet: sicurezza@mapei.it
	1.4. Emergency telephone number MAPEI S.p.A Tel. +(39)02376731 - (office hours) Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029
Т	ION 2: Hazards identification
	2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP)
	 Danger, Skin Corr. 1B, Causes severe skin burns and eye damage. Warning, Skin Sens. 1B, May cause an allergic skin reaction. Warning, STOT SE 3, May cause respiratory irritation. Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.
	Adverse physicochemical, human health and environmental effects: No other hazards
	2.2. Label elements
	Hazard pictograms:
	Danger Hazard Statements: H314 Causes severe skin burns and eye damage.



	H317 May cause an allergic skin reaction.
	H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
F	Precautionary Statements:
	P260 Do not breathe dust/fume/gas/mist/vapours/spray.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310 Immediately call a POISON CENTER.
5	Special Provisions:
	None
0	Contains
	Tall oil, reaction product with TEPA
	3-aminomethyl-3,5,5-trimethylcyclohexylamine 3,6,9-triazaundecamethylenediamine; tetraethylenepentamine: May produce an allergic
	reaction.
	3-Aminopropyldimethylamine: May produce an allergic reaction.
	Special provisions according to Annex XVII of REACH and subsequent amendments: None
	2.3. Other hazards
-	vPvB Substances: None - PBT Substances: None
0	Other Hazards:
	No other hazards
	ON 3: Composition/information on ingredients
	3.1. Substances N.A.
	N.Л.
3	3.2. Mixtures
	Hazardaus components within the mapping of the CLD regulation and related eleccifications
	Hazardous components within the meaning of the CLP regulation and related classification: 26.1 % Tall oil, reaction product with TEPA
2	CAS: 68555-22-6
	🔮 3.8/3 STOT SE 3 H335
	1.2/2 Skin Irrit. 2 H315
	4.8 % Fatty acids, C18-unsatd., dimers, oligomeric reaction products with 4,4'-isopropylidenediphenol
	1-chloro-2,3-epoxypropane co-oligomer, tall-oil fatty acids, tetraethylenepentamine and
	riethylenetetramine
	CAS: 106906-26-7, EC: 500-296-6
	1 3.2/2 Skin Irrit. 2 H315
	4.1/C3 Aquatic Chronic 3 H412
2	20 % 3-aminomethyl-3,5,5-trimethylcyclohexylamine
	REACH No.: 01-2119514687-32-xxxx, Index number: 612-067-00-9, CAS: 2855-13-2, EC:
	220-666-8
	
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🔶 3.3/1 Eye Dam. 1 H318	
1.4.2/1 Skin Sens. 1 H317	
4.1/C3 Aquatic Chronic 3 H412	
0.567 % 3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	
Index number: 612-060-00-0, CAS: 112-57-2, EC: 203-986-2	
🔶 3.2/1B Skin Corr. 1B H314	
◊ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317	
4.1/C2 Aquatic Chronic 2 H411	
🚸 3.1/4/Oral Acute Tox. 4 H302	
3.1/4/Dermal Acute Tox. 4 H312	
0.567 % 3-Aminopropyldimethylamine	
CAS: 109-55-7, EC: 203-680-9	
🔮 2.6/3 Flam. Liq. 3 H226	
🔆 3.2/1B Skin Corr. 1B H314	
🔮 3.3/1 Eye Dam. 1 H318	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
In case of skin contact:	
Immediately take off all contaminated clothing.	
Areas of the body that have - or are only even suspected of having - come into contact	with the
product must be rinsed immediately with plenty of running water and possibly with soap	
CONSULT A PHYSICIAN IMMEDIATELY.	
Wash thoroughly the body (shower or bath).	
Remove contaminated clothing immediately and dispose off safely.	
After contact with skin, wash immediately with soap and plenty of water.	
In case of eyes contact:	
After contact with the eyes, rinse with water with the eyelids open for a sufficient length	of time,
then consult an opthalmologist immediately.	
Protect uninjured eye.	
In case of Ingestion:	
Do NOT induce vomiting.	
In case of Inhalation:	
In case of inhalation, consult a doctor immediately and show him packing or label.	
4.2. Most important symptoms and effects, both acute and delayed	
The product is harmful following acute exposure to it and poses a serious health threat	IT
inhaled, ingested, or brought into contact with the skin.	а.
The product is corrosive and, if brought into contact with the skin, causes burning, with	ine
destruction of the entire thickness of skin tissue.	
If brought into contact with the skin, the product may cause sensitisation of the skin.	
4.3. Indication of any immediate medical attention and special treatment needed	
In case of accident or unwellness, seek medical advice immediately (show directions fo	r use or
safety data sheet if possible).	
Treatment:	
(see paragraph 4.1)	
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5.1	N 5: Firefighting measures . Extinguishing media
	Suitable extinguishing media:
	Water.
	CO2 or Dry chemical fire extinguisher.
	Extinguishing media which must not be used for safety reasons:
	None in particular.
5.2	. Special hazards arising from the substance or mixture
	Do not inhale explosion and combustion gases.
	Burning produces heavy smoke.
	The original ingredients or unidentified toxic and/or irritant compounds may be present in the
	combustion fumes.
5.3	. Advice for firefighters
	Use suitable breathing apparatus.
	Collect contaminated fire extinguishing water separately. This must not be discharged into
	drains. Move undamaged containers from immediate hazard area if it can be done safely.
	move undamaged containers norm immediate nazard area in it can be done safely.
	N 6: Accidental release measures
6.1	. Personal precautions, protective equipment and emergency procedures
	Wear personal protection equipment.
	Wear breathing apparatus if exposed to vapours/dusts/aerosols.
	Provide adequate ventilation.
	Use appropriate respiratory protection.
~ ~	See protective measures under point 7 and 8.
6.2	. Environmental precautions
	Limit leakages with earth or sand. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
	Retain contaminated washing water and dispose it.
	In case of gas escape or of entry into waterways, soil or drains, inform the responsible
	authorities.
	Suitable material for taking up: absorbing material, organic, sand
6.3	. Methods and material for containment and cleaning up
	pidly recover the product, wearing protective clothing.
	er the product has been recovered, rinse the area and materials involved with water.
	Suitable material for taking up: absorbing material, organic, sand
	Wash with plenty of water.
	Retain contaminated washing water and dispose it.
6.4	. Reference to other sections
	See also section 8 and 13
СТІО	N 7: Handling and storage
7.1	. Precautions for safe handling
	Avoid contact with skin and eyes, inhalation of vapours and mists.
	Use localized ventilation system.
	Don't use empty container before they have been cleaned.
	Before making transfer operations, assure that there aren't any incompatible material residual
	in the containers. (see point 10.5)
	Contamined clothing should be changed before entering eating areas.
	Do not eat or drink while working.
	See also section 8 for recommended protective equipment.
7.2	. Conditions for safe storage, including any incompatibilities
	Keep away from food, drink and feed.
	Incompatible materials:



None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
7.3. Specific end use(s)
None in particular
SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2
Worker Industry: 20.1 mg/m3 - Exposure: Human Inhalation
3,6,9-triazaundecamethylenediamine; tetraethylenepentamine - CAS: 112-57-2
Consumer: 10 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Professional: 0.74 mg/kg - Exposure: Human Dermal - Frequency: Long Term,
systemic effects
Consumer: 0.32 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic
effects
Consumer: 0.53 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects
Worker Professional: 0.00129 mg/l - Exposure: Human Inhalation - Frequency: Long
Term, systemic effects
Consumer: 0.00038 mg/l - Exposure: Human Inhalation - Frequency: Long Term,
systemic effects
PNEC Exposure Limit Values 3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2
Target: Fresh Water - Value: 0.06 mg/l
Target: Marine water - Value: 0.006 mg/l
Target: MAP2 - Value: 0.23 mg/l
Target: Freshwater sediments - Value: 5.784 mg/kg
Target: Marine water sediments - Value: 0.578 mg/kg
Target: Soil (agricultural) - Value: 1.121 mg/kg
Target: Microorganisms in sewage treatments - Value: 3.18 mg/l
3,6,9-triazaundecamethylenediamine; tetraethylenepentamine - CAS: 112-57-2
Target: Fresh Water - Value: 0.00068 mg/l
Target: Marine water - Value: 0.00068 mg/l
Target: Freshwater sediments - Value: 3.34 mg/kg
Target: Marine water sediments - Value: 0.343 mg/kg
Target: Soil (agricultural) - Value: 0.683 mg/kg
8.2. Exposure controls
Eye protection:
Safety goggles.
Use close fitting safety goggles, don't use eye lens.
Protection for skin:
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6,
corresponding > 480 minutes of permeation time according to EN 374):
nitrile rubber (NBR) - 0.4 mm coating thickness
natural rubber/natural latex (NR) - 0.5 mm coating thickness
chloroprene rubber (CR) - 0.5 mm coating thickness
polyvinylchloride (PVC) - 0.7 mm coating thickness
butyl rubber (butyl) - 0.7 mm coating thickness
fluoroelastomer (FKM) - 0.7 mm coating thickness
Supplementary note: The specifications are based on tests, literature data and information of
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glove

manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

	use should be observed because of great diversity of types.
Use adequate protective respi A dust mask (P2) should be w	ere ventilation is insufficient or exposure is prolonged. ratory equipment. orn if above exposure limits (EN 149) on use mask with A filters (EN 14387).).
	ld comply with relevant CE standards (as EN 374 for gloves and ained and stored. Consult the supplier to check the suitability of s and for user information.
Thermal Hazards: None Environmental exposure controls: None	
Appropriate engineering controls: None	
SECTION 9: Physical and chemical p 9.1. Information on basic physical an Appearance: Colour: Odour: Odour threshold: pH: Melting point / freezing point: Initial boiling point and boiling Solid/gas flammability: Upper/lower flammability or ex Vapour density: Flash point: Evaporation rate: Vapour pressure: Relative density: Vapour density: Vapour density (air=1): Solubility in oil: Viscosity:	Id chemical properties jelly solution light yellow ammonia N.A. 11 N.A. range: Not determined N.A. toplosive limits: N.A. Not determined >100 °C Not determined <0.01 kPa (23°C) 1.06 g/cm³ (23°C) Not determined partly soluble soluble
Viscosity: Auto-ignition temperature:	30000 mPa.s (23°C) N.A No explosive or spontaneous ignition in contact with air at room temperature
Explosion limits(by volume): Decomposition temperature: Partition coefficient (n-octanol/ Explosive properties: Oxidizing properties:	N.A. N.A. /water): N.A This product is a mixture N.A No components with explosive properties N.A No component with oxidizing properties
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9.2. Other in	formation
	dditional information
	ability and reactivity
	ability and reactivity
10.1. Reacti	
	e under normal conditions
10.2. Chemi	
	e under normal conditions
	ility of hazardous reactions
it may	/ generate toxic gases on contact with oxidising mineral acids, halogenated organic
	ances, organic peroxides and hydroperoxides, and powerful oxidising agents.
	ions to avoid
	e under normal conditions.
	patible materials
	in particular.
	dous decomposition products
None.	
SECTION 44- T	viselegical information
	oxicological information
	ation on toxicological effects
Route(s) of	
Ingestion:	Yes
Inhalation:	Yes
Contact:	Yes
	toxicological data available on the mixture. Consider the individual concentration of each
	to assess toxicological effects resulting from exposure to the mixture.
	al information on main components of the mixture:
N.A.	ological information of the product:
	I information of the main substances found in the product.
	al information of the main substances found in the product:
	nomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2 ute toxicity:
a) act	Test: LC50 - Route: Inhalation Dust - Species: Rat > 5.01 mg/l - Duration: 4h
	Test: LD50 - Route: Oral - Species: Rat = 1030 mg/kg
	Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
360	triazaundecamethylenediamine; tetraethylenepentamine - CAS: 112-57-2
	ite toxicity:
	Test: LD50 - Route: Oral - Species: Rat = 3990 mg/kg
	Test: LD50 - Route: Skin - Species: Rabbit = 660 mg/kg
h) ski	n corrosion/irritation:
0) SKI	Test: Skin Sensitization - Species: Rabbit : Positive
3-∆mi	inopropyldimethylamine - CAS: 109-55-7
	ite toxicity:
u) u)	Test: LD50 - Route: Oral - Species: Rat = 1600 mg/kg
	Test: LC50 - Route: Inhalation - Species: Rat = 24.8 mg/l - Duration: 4h
	sive/Irritating Properties:
Skin:	
	Corrosive. The product can cause burns by contact.
Eye:	
	The product can cause damage to eyes by contact
Cancerogen	
	fects are known.
Mutagenic E	iffects:
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No effects are known. Teratogenic Effects: No effects are known. Additional Information: For this reason, the contact with the skin should be avoided. Once sensitization has occurred, exposures to small amounts of material may cause erythema and edema locally.	
No effects are known. Additional Information: For this reason, the contact with the skin should be avoided. Once sensitization has occurred,	
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For this reason, the contact with the skin should be avoided. Once sensitization has occurred,	
exposures to small amounts of material may cause erythema and edema locally.	
If not differently specified, the information required in Regulation (EU)2015/830 listed below must	be
considered as N.A.:	
a) acute toxicity	
b) skin corrosion/irritation	
c) serious eye damage/irritation	
d) respiratory or skin sensitisation	
e) germ cell mutagenicity	
f) carcinogenicity	
g) reproductive toxicity	
h) STOT-single exposure	
i) STOT-repeated exposure	
j) aspiration hazard	
SECTION 12: Ecological information	
12.1. Toxicity	
Adopt good industrial practices, so that the product is not released into the environment.	
Not available data on the mixture	
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environr	nent
3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2	nem.
a) Aquatic acute toxicity:	
Endpoint: LC50 - Species: Fish = 110 mg/l - Duration h: 96	
Endpoint: EC50 - Species: Daphnia = 23 mg/l - Duration h: 48	
Endpoint: EC50 - Species: Daphnia = 28 mg/l - Duration h: 48	
Endpoint: EC50 - Species: Algae > 50 mg/l - Duration h: 72	
b) Aquatic chronic toxicity:	
Endpoint: NOEC - Species: Daphnia = 3 mg/l - Notes: 21 d	
3,6,9-triazaundecamethylenediamine; tetraethylenepentamine - CAS: 112-57-2	
a) Aquatic acute toxicity:	
Endpoint: LC50 - Species: Fish = 310 mg/l - Duration h: 96 Endpoint: EC50 - Species: Daphnia = 24.1 mg/l - Duration h: 48	
Endpoint: EC50 - Species: Algae > 2.1 mg/l - Duration h: 72	
3-Aminopropyldimethylamine - CAS: 109-55-7	
a) Aquatic acute toxicity:	
Endpoint: LC50 - Species: Fish = 122 mg/l - Duration h: 96	
Endpoint: EC50 - Species: Daphnia = 59.5 mg/l - Duration h: 48	
Endpoint: EC50 - Species: Algae = 53.5 mg/l - Duration h: 72	
12.2. Persistence and degradability N.A.	
12.3. Bioaccumulative potential	
N.A.	
12.4. Mobility in soil	
N.A.	
12.5. Results of PBT and vPvB assessment	
vPvB Substances: None - PBT Substances: None	
12.6. Other adverse effects	
None	
Not available data on the mixture	

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ECTION 13: Disposal considerat	ions
13.1. Waste treatment methods	
	o authorised disposal plants or for incineration under controlled
conditions. In so doing, com	ply with the local and national regulations currently in force.
	its container to hazardous or special waste collection point.
Avoid release to the enviror	ment. Refer to special instructions/Safety data sheets.
	94/62/EC and subsequent amendments.
Disposal of hardened produ	
Disposal of not hardened p	
	aste code is just based on the composition of the product.
According to the specific pr	ocess or application field a different waste code may be necessary.
ECTION 14: Transport information	n
14.1. UN number	
UN Number:	2735
14.2. UN proper shipping name	2.00
ADR-Shipping Name:	UN 2735 POLYAMINES, LIQUID, CORROSIVE N.O.S.
14.3. Transport hazard class(es)	
Rail/Road(RID/ADR):	8
ADR-Upper number:	ŇA
Air (ICAO/IATA):	8
Sea (IMO/IMDG):	8
LIMITED QUANTITY (3.4.6	•
Dangerous goods in limited	
14.4. Packing group	4
Packing Group:	III
ADR-Packing Group:	
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
Marine pollutant:	No
14.6. Special precautions for user	
	to Annex II of Marpol and the IBC Code
No	•
ECTION 15: Regulatory informat	
	ental regulations/legislation specific for the substance or mixture
	t to chemical agents at work)
Dir. 2000/39/EC (Occupation	
Regulation (EC) n. 1907/20 Regulation (EC) n. 1272/20	
Regulation (EC) 11. 790/200 Regulation (EU) 2015/830	9 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/201	
Regulation (EU) n. 618/201	
Regulation (EU) n. 487/201 Regulation (EU) n. 944/201	
(EC) 1907/2006 (REACH) and sul	or the substances contained according to Annex XVII Regulation
Restrictions related to the p Restriction 3	
Restriction 3 Restriction 40	
	ubstances contained:

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No restriction. Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents" Directive 2000/39/CE and s.m.i. (Professional threshold limit) Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations) Directive 105/2003/CE (Seveso III): N.A. ADR Agreement – IMDG Code – IATA Regulation VOC (2004/42/EC) : N.A. g/l Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 None
Seveso III category according to Annex 1, part 1
15.2. Chemical safety assessment No
CECTION 40: Other information
SECTION 16: Other information
Text of phrases referred to under heading 3:
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
H312 Harmful in contact with skin.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
NIOSH - Registry of toxic effects of chemical substances
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
The information contained herein is based on our state of knowledge at the above-specified date. It
refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the
specific use intended.
This MSDS cancels and replaces any preceding release.
This MODO cancels and replaces any preceding release.
ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical
Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of
Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport
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 ICAO: International Civil Aviation Organization. ICAO: T. Technical Instructions by the "International Civil Aviation Organization" (ICAO). IMDG: International Nomenclature of Cosmetic Ingredients. INCI: Explosion coefficient. LC50: Lethal concentration, for 50 percent of test population. LD50: Lethal concentration, for 50 percent of test population. LD50: Lethal concentration, for 50 percent of test population. LTE: Long-term exposure. PNEC: Predicted No Effect Concentration. RID: Regulation Concentration, for 50 percent of test population. STE: Short Term Exposure. STEL: Short Term Exposure init. STO: Specific Target Organ Toxicity. T.V: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). OEL: Substance with a Union workplace exposure limit. WG: German Water Hazard Class. TSCA: United States Toxic Substances List N.A.: Not available 		
 ICAO-T: Technical Instructions by the ¹International Civil Aviation Organization" (ICAO). IMDG: International Maritime Code for Dangerous Goods. INCI: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients. ICSO: Lethal concentration, 160 percent of test population. LDSO: Lethal concerning the International Transport of Dangerous Goods. BYE: Short-term exposure STEL: Short-term exposure limit. STOT: Thershold Limiting Value. TWATLV: Threshold Limiting Value. OFL: Substance with a Union workplace exposure limit. MC: German Water Hazard Class. CA: United States Toxic Substances Control Act Inventory. DSL - Canadian Domestic Substances List N.A: Not available 	ICAO.	Association" (IATA). International Civil Aviation Organization
 IMDG: International Maritime Code for Dangerous Goods. INC: International Nomenclature of Cosmetic Ingredients. KS: Explosion coefficient. LC50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LD50: CD50: Percent of test population. LD50: Percent of test population. LD50: CD50: CD50:		Technical Instructions by the "International Civil Aviation Organization"
 INCI: International Nomenclature of Cosmetic Ingredients. KSt: Explosion coefficient. LG50: Lethal concentration, for 50 percent of test population. LG50: Lethal concentration, for 50 percent of test population. LTE: Long-term exposure. PNEC: Predicted ND Effect Concentration RD: Regulation Concentrations of test population of Dangerous Goods. By Rail. STE: Short Term Exposure limit. STFL: Short Term Exposure limit. STEL: Short Term Exposure limit. STEL: Short Term Exposure limit. STFL: Short Term Exposure limit. STEL: Short Term Exposure limit. STEL: Short Term Exposure limit. STEL: Short Term Exposure limit. STFL: Short Term Exposure limit. STEL: Short Term Exposure limit. Sterman Water Hazard Class. TSC: United States Toxic Substances List N.A: Not available 	IMDG.	
 LCS0: Lethal concentration, for 50 percent of test population. LDS0: Lethal close, for 50 percent of test population. LTE: Long-term exposure. RNEC: Predicted No Effect Concentration. RD: Regulation Concerning the International Transport of Dangerous Goods.	INCI:	International Nomenclature of Cosmetic Ingredients.
 LDS0: Lethal dose, for 50 percent of test population. LTE: Long-term exposure. PNEC: Predicted No Effect Concentration. RD: Regulation Concerning the International Transport of Dangerous Goods. By Rai. STE: Short-term exposure. STOT: Specific Target Organ Toxicity. TV: Threshold Limiting Value. TVALLY: Threshold Limiting Value. CCGIH Standard). CE: Jostance with a Union workplace exposure limit. TSCA: United States Toxic Substances Control Act Inventory. DSL: DSL - Canadian Domestic Substances List N.A.: Not available 		
UTE: Long-term exposure. PNEC: Predicted No Effect Concentration. RID: Regulation Concerning the International Transport of Dangerous Goods. By Rail. Term Exposure. STEL: Short Term Exposure limit. STO: Specific Target Organ Toxicity. T.V: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). (ACGIH Standard). OEL: Substances with a Union workplace exposure limit. VE: Threshold Limit y Value WGK: German Water Hazard Class. WGK: Onice State Toxic Substances Control Act Inventory. DSL: DSL - Canadian Domestic Substances List N.A: Not available		
RID: Regulation Concerning the International Transport of Dangerous Goods. by Raii. STEL: Short-term exposure. STEL: Short-term exposure limit. STO: Specific Target Organ Toxicity. TLV: Threshold Limiting Value. WATLV: Threshold Limit Value for the Time Weighted Average 8 hour day.		
 by Rail. STE: Short-ferm exposure. STEL: Short Term Exposure limit. STOT: Specific Target Organ Toxicity. T.V.: Threshold Limiting Value. TWATLV: Threshold Limiting Value. OEL: Substance with a Union workplace exposure limit. V.E: Threshold Limiting Value. WGC: German Water Hazard Class. TSCA: United States Toxic Substances Control Act Inventory. DEL: DSL- Canadian Domestic Substances List N.A.: Not available 		
STEL: Short Term Exposure limit. STOT: Specific Target Organ Toxicity. TLY: Threshold Limiting Value. WATLV: Threshold Limiting Value for the Time Weighted Average 8 hour day. (ACGIH Standard). OEL: Substance with a Union workplace exposure limit. V.E: Threshold Limiting Value. WGK: German Water Hazard Class. TSCA: United States Toxic Substances Control Act Inventory. DSL: Control States Toxic Substances List NA: Not available		by Rail.
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N.A.: Not available		•
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