## SAFETY DATA SHEET

## Q8 Brunel XF 512



# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Q8 Brunel XF 512

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses : Concentrate for metalworking fluid

1.3 Details of the supplier of the safety data sheet

**Supplier** : Q80ils Italia S.r.l.

Via Volpedo 2

15050 Castellar Guidobono (AL)

Tel. +39 02-90595.1, Fax +39 02-90076347

e-mail: Q8OilsItalia@Q8.it

Manufacturer / Distributor : Q8Oils Italia S.r.l. / Kuwait Petroleum Belgium N.V./S.A.

Via Volpedo 2 Petroleumkaai 7 15050 Castellar Guidobono (AL) B-2020 Antwerp

y Belgium

e-mail address of person

responsible for this SDS : SDSinfo@Q8.com, communication preferably in English only.

PCN Information contact : PCNinfo@Q8.com, communication preferably in English only.

1.4 Emergency telephone number

**Italy** : 800 699 792 (Toll free)

**Europe** : +44 (0) 1235 239 670 **Global (English only)** : +44 (0) 1865 407 333

**National advisory body/Poison Center** 

Italy : CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA (ROMA)

: 06 68593726

Az. Osp. Univ. Foggia (FOGGIA): 800183459 Az. Osp. "A. Cardarelli" (NAPOLI): 081-5453333 CAV Policlinico "Umberto I" (ROMA): 06-49978000 CAV Policlinico "A. Gemelli" (ROMA): 06-3054343

Az. Osp. "Careggi" U.O. Tossicología Medica (FIRENZE) : 055-7947819 CAV Centro Nazionale di Informazione Tossicologica (PAZIA) : 0382-24444

CARECHEM24

Osp. Niguarda Ca' Granda (MILANO): 02-66101029

Azienda Ospedaliera Papa Giovanni XXII (BERGAMO) : 800883300 Azienda Ospedaliera Integrata Verona (VERONA) : 800011858

#### **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

**Product definition**: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown : None.

toxicity

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#### SECTION 2: Hazards identification

Ingredients of unknown

ecotoxicity

: None.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements** 

**Prevention** : Not applicable. Response : Not applicable. : Not applicable. Storage : Not applicable. **Disposal** 

Supplemental label

elements

: Safety data sheet available on request.

**Annex XVII - Restrictions** on the manufacture.

placing on the market and use of certain dangerous substances, mixtures and

articles

**Detergents - Regulation** 

(EC) No 648/2004

: Not applicable.

: Not applicable.

**Special packaging requirements** 

Containers to be fitted

with child-resistant

fastenings

: Not applicable.

**Tactile warning of danger** : Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No.

1907/2006, Annex XIII

Other hazards which do not result in classification This mixture does not contain any substances that are assessed to be a PBT or a

vPvB.

: None known.

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

#### 3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Carbamic acid, (2-hydroxypropyl)-, compd. with 1-amino-2-propanol (1: 1)	CAS: 169115-74-6	≤10	Eye Dam. 1, H318	-	[1]
1-aminopropan-2-ol	EC: 201-162-7 CAS: 78-96-6 Index: 603-082-00-1	≤5	Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318	ATE [Dermal] = 1100 mg/kg	[1]
2-amino-2-methylpropanol	REACH #: 01-2119475788-16 EC: 204-709-8 CAS: 124-68-5	≤1.6	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	-	[1]

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

	Index: 603-070-00-6				
2,2'-iminodiethanol	EC: 203-868-0 CAS: 111-42-2 Index: 603-071-00-1	≤0.3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361fd STOT RE 2, H373 (blood, kidneys, liver, nervous system) See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 500 mg/kg STOT RE 2, H373: C ≥ 10%	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be

kept under medical surveillance for 48 hours.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed

person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms

occur.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

#### **Over-exposure signs/symptoms**

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

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

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**: No specific treatment.

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## **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog).

Unsuitable extinguishing

media

: Do not use water jet.

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

#### 5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## **6.2 Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### 6.3 Methods and materials for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

## 6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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## **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures

- : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

## **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

## Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Type	Exposure	Value	Population	Effects
Carbamic acid, (2-hydroxypropyl)-, compd. with 1-amino-2-propanol (1: 1)	DNEL	Long term Oral	0.5 mg/kg bw/day	General population	Systemic
,	DNEL	Long term Dermal	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.43 mg/ kg bw/day	Workers	Systemic
1-aminopropan-2-ol	DNEL	Long term Oral	0.67 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	2.1 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term	3.6 mg/m <sup>3</sup>	Workers	Systemic

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## **SECTION 8: Exposure controls/personal protection**

		Inhalation			
2-amino-2-methylpropanol	DNEL	Long term Oral	0.46 mg/	General	Systemic
			kg bw/day	population	_
	DNEL	Long term	1.6 mg/m <sup>3</sup>	General	Systemic
	5.151	Inhalation	0 = 1 0	population	
	DNEL	Long term Inhalation	6.5 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	7.3 mg/kg	Workers	Systemic
	DIVLE	Long term berman	bw/day	VVOIRCIS	Cysternic
	DNEL	Long term Dermal	37 mg/kg	General	Systemic
			bw/day	population	
2,2'-iminodiethanol	DNEL	Long term Oral	0.06 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	0.07 mg/	General	Systemic
	סאובו		kg bw/day	population	0
	DNEL	Long term Dermal	0.13 mg/	Workers	Systemic
	DNEL	Long term	kg bw/day 0.125 mg/	General	Local
	DINLL	Inhalation	m <sup>3</sup>	population	Local
	DNEL	Long term	0.125 mg/	General	Systemic
	DITE	Inhalation	m³	population	C you canno
	DNEL	Long term	0.5 mg/m <sup>3</sup>	Workers	Local
		Inhalation	3		
	DNEL	Long term	0.75 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			

#### **PNECs**

No PNECs available.

#### 8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Wear suitable gloves tested to EN374. Recommended: < 1 hour (breakthrough time): nitrile rubber 0.17 mm.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: Boiling point > 65 °C: A1; Boiling point < 65 °C: AX1; Hot material: A1P2.

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## **SECTION 8: Exposure controls/personal protection**

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state : Liquid.
Appearance : Clear.

Color : Yellow [Light]
Odor : Characteristic.
Odor threshold : Not available.
Melting point/freezing point : Not applicable.

**Pour point** : -18°C (-0.4°F) [ASTM D 97]

Initial boiling point and

boiling range

: >100°C (>212°F)

Flammability : Not applicable.

Lower and upper explosion : Not available.

limit

Flash point : Open cup: Not applicable. [Product does not sustain combustion.]

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

**PH** : 9.5 [Conc. (% w/w): 3%] [ASTM E 70]

Viscosity : Not available.

Solubility(ies) :

Media	Result
cold water hot water	Easily soluble Easily soluble

Miscible with water : Yes.

Partition coefficient: n-octanol/ : Not applicable.

water

Vapor pressure : Not available.

	Vapor Pressure at 20°C			Vapor pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
water	23.8	3.2				

**Density** : 1.08 g/cm³ [20°C (68°F)]

Vapor density : Not available.

Explosive properties : Not applicable.

Oxidizing properties : Not applicable.

**Particle characteristics** 

Median particle size : Not applicable.

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## **SECTION 10: Stability and reactivity**

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : Reactive or incompatible with the following materials:

Strong oxidizing materials

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
1-aminopropan-2-ol	LD50 Oral	Rat	1715 mg/kg	-
2-amino-2-methylpropanol	LD50 Oral	Rat	2900 mg/kg	-

**Conclusion/Summary** 

: Not available.

#### **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Q8 Brunel XF 512	N/A	28131.4	N/A	N/A	N/A
1-aminopropan-2-ol	N/A	1100	N/A	N/A	N/A
2-amino-2-methylpropanol	2900	N/A	N/A	N/A	N/A
2,2'-iminodiethanol	500	N/A	N/A	N/A	N/A

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
1-aminopropan-2-ol	Eyes - Severe irritant	Rabbit	-	24 hours 250	-
				ug	
	Eyes - Severe irritant	Rabbit	-	970 ug	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Moderate irritant	Rabbit	-	485 mg	-
2,2'-iminodiethanol	Eyes - Severe irritant	Rabbit	-	5500 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 750	-
				ug	
	Skin - Mild irritant	Rabbit	-	50 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	

**Conclusion/Summary** 

Skin : Non-irritant to skin. Bridging principle "Dilution"

Eyes : Non-irritating to the eyes. Bridging principle "Dilution"

**Sensitization** 

**Conclusion/Summary**: Not available.

**Mutagenicity** 

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## Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Italy

Q8 Brunel XF 512

## **SECTION 11: Toxicological information**

Conclusion/Summary : Not available.

**Carcinogenicity** 

**Conclusion/Summary**: Not available.

**Reproductive toxicity** 

**Conclusion/Summary**: Not available.

**Teratogenicity** 

Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
2,2'-iminodiethanol	Category 2		blood, kidneys, liver, nervous system

#### **Aspiration hazard**

Not available.

Information on the likely

routes of exposure

: Not available.

#### Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 Ingestion
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects: Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary**: Not available.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

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## **SECTION 11: Toxicological information**

#### 11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
1-aminopropan-2-ol 2,2'-iminodiethanol	Acute LC50 210 mg/l Fresh water Acute EC50 103000 µg/l Marine water Acute LC50 28800 µg/l Fresh water	Fish - Carassius auratus Algae - Skeletonema costatum Crustaceans - Ceriodaphnia dubia - Neonate	96 hours 96 hours 48 hours
	Acute LC50 2150 μg/l Fresh water Acute LC50 775 mg/l Fresh water	Daphnia - Daphnia pulex Fish - Lepomis macrochirus	48 hours 96 hours

Conclusion/Summary : Not available.

#### 12.2 Persistence and degradability

**Conclusion/Summary**: Not available.

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
1-aminopropan-2-ol	-0.96	0.11	low
2-amino-2-methylpropanol	-0.63	320	low
2,2'-iminodiethanol	-1.43	-	low

#### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

**Product** 

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## SECTION 13: Disposal considerations

Yes.

**Methods of disposal** 

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** European waste catalogue (EWC)

Waste code	Waste designation	
12 01 09*	machining emulsions and solutions free of halogens	

#### **Packaging**

Methods of disposal

: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** 

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

14.6 Special precautions for user

: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

: Not available.

## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

**Annex XIV - List of substances subject to authorization** 

**Annex XIV** 

None of the components are listed.

Substances of very high concern

None of the components are listed.

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## Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Italy

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## **SECTION 15: Regulatory information**

**Annex XVII - Restrictions**: Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

Industrial emissions : Not listed

(integrated pollution prevention and control) -

**Air** 

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Water

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

**Persistent Organic Pollutants** 

Not listed.

**Seveso Directive** 

This product is not controlled under the Seveso Directive.

**National regulations** 

**Germany** 

Hazard class for water : 2

(WGK)

D.Lgs. 152/06 : Not determined.

D.Lgs. 81/2008 : Health and Safety in the workplace.

D.Lgs. 25/2002 : Protection against risks from chemical agents.

D.Lgs. 65/2003 : Classification Labelling and Packaging of Dangerous Products.

D.M. 14/01/2008 : List of work related deseases that require notification.

**Switzerland** 

VOC content : Exempt.

International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

List name	Ingredient name	Status
Schedule III	Triethanolamine	Listed

#### **Montreal Protocol**

Not listed.

#### **Stockholm Convention on Persistent Organic Pollutants**

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

## Inventory list

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## **SECTION 15: Regulatory information**

Australia : Not determined.
Canada : Not determined.
China : Not determined.

**Eurasian Economic Union : Russian Federation inventory**: Not determined.

Japan inventory (CSCL): Not determined.

Japan inventory (ISHL): Not determined.

: Not determined.

New Zealand : Not determined.
Philippines : Not determined.
Republic of Korea : Not determined.
Taiwan : Not determined.
Thailand : Not determined.

United States of America : Not determined.

Viet Nam : Not determined.

15.2 Chemical Safety Assessment

**Turkey** 

: This product contains substances for which Chemical Safety Assessments are still

required.

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

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road

ASTM = American Society for Testing and Materials

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DIN = German Institute for Standardization
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EC = European Commission

EC50 = Half maximal effective concentration

EN = European Standard (Norm)

EUH statement = CLP-specific Hazard statement

GHS - Globally Harmonized System of Classification and Labeling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IC50 = Half maximal inhibitory concentration IMDG = International Maritime Dangerous Goods IMO = International Maritime Organisation

ISO = International Organization for Standardization

LC50 = Median lethal concentration

LD50 = Median lethal dose

LOAEL / LOAEC = Lowest Observed Adverse Effect Level / Concentration MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

NOAEL / NOAEC = No Observed Adverse Effect Level / Concentration

NOEL / NOEC = No Observed Effect Level / Concentration

OECD = Organisation for Economic Co-operation and Development

OEL = Occupational Exposure Limit

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

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

Regulation [Regulation (EC) No. 1907/2006]

RID = The Regulations concerning the International Carriage of Dangerous Goods

by Rail

SDS = Safety Data Sheet

SVHC = Substances of Very High Concern

STEL = Short Term Exposure Limit

TLV = Threshold Limit Value TWA = Time Weighted Average UFI = Unique Formula Identifier

UN = United Nations

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

#### Full text of abbreviated H statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

#### Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Repr. 2	TOXIC TO REPRODUCTION - Category 2
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

**Training advice** : Ensure operatives are trained to minimise exposures.

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Prepared by : Kuwait Petroleum Research & Technology B.V., The Netherlands

#### **Notice to reader**

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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