TRIBAC
Code: 00EN0

Safety Data Sheet compliant with Regulation (EU) 2020/878

Version 7.0.0
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: TRIBAC

UFI : 4QAH-J0DF-K005-5A8E

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

Use of the product

LIQUID ALKALI
FOOD INDUSTRY
TRIBAC is a QAC free disinfectant. The components meet the requirements of current European Legislation and the biocidal element of the formulation is supported in the Biocidal Products Regulation (EU 528/2102).

1.3. Details of the supplier of the safety data sheet

Company identification

Out of hours Emergency Telephone Number +44 (0) 1865 407333
UK - Holchem Laboratories Ltd. Gateway House, Pilsworth Road, Bury, BL9 8RD
Tel : +44 (0) 1706 222288; e-mail info@holchem.co.uk
EU - Kersia Deutschland GmbH, Marie-Curie-Straße 23
53332 Bornheim - Sechtem
Tel: +49 (0)222 790 820

For information regarding this safety data sheet, please contact :
regulatory@kersia-group.com

1.4. Emergency telephone number

Emergency phone number

Emergency direct number (24 hours a day, 7 days a week) : +44 1273 289451

CARECHEM 24
Tel. +44 1865 407333

For information or to report a poisoning incident contact The National Poisons Information Centre:
+353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week).
Healthcare Professionals:
+353 (1) 809 2566 (24 hour service)
NHS: 111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

Substance corrosive to metals - Category 1	H290: May be corrosive to metals.
Skin corrosion - Category 1B	H314: Causes severe skin burns and eye damage.
Serious damage to eyes - Category 1	H318: Causes serious eye damage.
Specific target organ toxicity (STOT) - repeated exposure - Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment — Acute - Category 1	H400: Very toxic to aquatic life.
Hazardous to the aquatic environment — Chronic - Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :

Signal word :
Danger

Contains : Ethylenediamine tetraacetic acid tetrasodium salt+ N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Hazard statement(s) :
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H373: May cause damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statement(s) :
P273: Avoid release to the environment.
P280: Wear protective gloves /eye protection/face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : LIQUID ALKALI

Substance(s)	CAS number(s)	EINECS number(s)	index	No registration REACH	Classification according to Regulation (EC) 1272/2008	SCL M-factor ATE	Type
15% <= Ethylenediamine tetraacetic acid tetrasodium salt <= 20%	64-02-8	200-573-9			Met. Corr. 1 H290 Eye Irrit. 2 H319 Acute Tox. 4 (inhalation) H332 STOT RE 2 H373		(1)
1% <= N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine <= 5%	2372-82-9	219-145-8			Aquatic Acute 1 H400 Acute Tox. 3 (oral) H301 STOT RE 2 H373 Skin Corr. 1A H314 Aquatic Chronic 1 H410	M Factor (Acute) 10 M Factor (Chronic) 1	(1)
1% <= Sodium (xylenes and 4-ethylbenzene)sulfonates <= 5%		701-037-1			Eye Irrit. 2 H319		(1)
0.1% <= Alcohols, C13-15, branched and linear, ethoxylated <= 0.9%	157627-86-6	500-337-8			Acute Tox. 4 (oral) H302 Eye Dam. 1 H318 Aquatic Chronic 3 H412		(1)

Type
(1) : Substance classified as hazardous for health and/or the environment
(2) : Substance with an exposure limit at the work station.
Substance of very high concern candidate for the authorisation procedure:
(3) : Substance considered as PBT (persistent, bioaccumulable, toxic)
(4) : Substance considered as vPvB (very persistent, very bioaccumulable)

(5) : Substance considered as carcinogenic category 1A
(6) : Substance considered as carcinogenic category 1B
(7) : Substance considered as mutagenic category 1A
(8) : Substance considered as mutagenic category 1B
(9) : Substance considered as reprotoxic category 1A
(10) : Substance considered as reprotoxic category 1B
(11) : Substance considered as endocrine disrupter
(12) : Other substance considered hazardous to health or the environment
(N) : Nanomaterial

Full text of H- and EUH- phrases : see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General indications:
Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.Immediately call a POISON CENTER or doctor/physician.

In the event of contact with the skin :
Take off immediately all contaminated clothing.
Wash immediately with plenty of water for 15 minutes at least.
Immediately call a POISON CENTER or doctor/physician.

In the event of contact with the eyes :
Remove contact lenses if present and easy to do. Continue rinsing.
Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Immediately call a POISON CENTER or doctor/physician.

In the event of ingestion :
Do NOT induce vomiting.
Rinse mouth.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

Skin contact : Corrosive : Causes severe burns.

Eye contact : Causes serious eye damage.

Ingestion : Causes severe burns in mouth and digestive tract.
Risk of perforating digestive tracts.

Inhalation : Inhaling vapours or aerosols can irritate respiratory tracts, including irritation of the nose and throat, a cough and difficulty breathing.

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

Treatments : Symptomatic treatment

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media :
Agents compatible with other products involved into fire.

Unsuitable extinguishing media :
None from our knowledge.

5.2. Special hazards arising from the substance or mixture

TRIBAC is non-flammable.
The following may form in a fire:
Corrosive vapours

5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Wear suitable protective clothing.
Evacuate non-essential staff and those not equipped with individual protection apparatus.

6.1.2. For emergency responders :

Evacuate the personnel to a safe location.
Keep people upwind and away from the location of the flow/leak.
Use personal protection equipment.

6.2. Environmental precautions

Intervention limited to trained staff.
Do not discharge the product directly to sewer or to environment.
Informing the authorities if the product penetrates in the sewers or in the waters of the public domain.

6.3. Methods and material for containment and cleaning up

Small spillage :

Absorb with an inert, non-combustible absorbent material, such as sand, earth, vermiculite or diatomaceous earth.
Recover in a reservoir of help.

Large spillage :
Mark out, dyke up with an absorbant (ex. sand, diatomaceous earth, universal absorbent) and pump in an emergency tank.
Never return spills in original containers for re-use.
Keep in suitable, properly labelled and closed containers for disposal.

6.4. Reference to other sections

Respect protective measures presented at heading 8.
Refer to section 13 for the elimination.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear suitable protective clothing.
Do not eat, drink or smoke in work area. Avoid projections during use.
Do not breathe vapour.
Do not mix with an acid.
Take off immediately all contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep container closed.
Keep only in the original container.
Keep away from incompatible matters (see heading 10).

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

TRIBAC is for use as a biocide.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values :

Substance	CAS number	Country	Type	Value	Unit	Comments	source
Sodium hydroxide	1310-73-2	AUT	OEL Short term	4 inhalable aerosol	mg/m³		International limit values for chemical agents
			OEL 8h	2 inhalable aerosol	mg/m³		International limit values for chemical agents
		BEL	OEL 8h	2	mg/m³		International limit values for chemical agents
		CHE	OEL Short term	2 inhalable aerosol	mg/m³		International limit values for chemical agents
			OEL 8h	2 inhalable aerosol	mg/m³		International limit values for chemical agents
		DNK	OEL Short term	2	mg/m³		International limit values for chemical agents
			OEL 8h	2	mg/m³		International limit values for chemical agents
		ESP	OEL Short term	2	mg/m³		International limit values for chemical agents
		FRA	VLEP 8h	2	mg/m³	Valeur limite indicative	International limit values for chemical agents
			EMV (Exposure medium value) : 8h	2	mg/m³		MSDS supplier
		GBR	OEL Short term	2	mg/m³		International limit values for chemical agents
		HUN	OEL Short term	2	mg/m³		International limit values for chemical agents
			OEL 8h	2	mg/m³		International limit values for chemical agents
		LVA	OEL 8h	0,5	mg/m³		International limit values for chemical agents
		POL	NDS 8h	0,5	mg/m³		International limit values for chemical agents
			NDSCh Short term	1	mg/m³		International limit values for chemical agents
		SWE	OEL Short term	2 (2)	mg/m³	(1)Inhalable dust (2) Ceiling limit value	International limit values for chemical agents
			OEL 8h	1	mg/m³		International limit values for chemical agents

8.2. Exposure controls

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.
* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.
* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.
* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

8.2.1. Appropriate engineering controls :

Ensure adequate ventilation.
Apply the necessary technical measures to comply with the professional exposure limit values.

8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

Use safety glasses or facial screen in conformity with the EN 166 standard.

Hand protection :

Use chemical resistant gloves approved to EN 374.
Examples of prefered materials for insulating gloves:
Natural rubber.
Neoprene.
PVC
Permeation time >= 480 min
Thickness: > 0.5 mm

Skin protection :

Wear chemical-resistant protective shoes and clothing.
Wear protective clothing conforms to the standards EN 13034 - type 6

Respiratory protection :

To always carry a respiratory apparatus of protection approved if the limit of exposure in work environment is likely to be exceeded.
During applications that cause aerosols to form, wear a half-mask in compliance with the European standard EN 140 or a complete mask in conformity with the European standard EN 136 equipped with a filter (in conformity with the European standard EN 143) of the following type:
P2: Particles, solid aerosols and liquids

Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.
After using, wash systematically all personal protective equipment.

8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance (20°C)	Clear liquid
Colour	Blue
Odour	Detergent
Odour threshold	Not available
Freezing point	Not available
Melting point	Not applicable
Boiling point	Not available
Flammability	Not available
Lower explosive limit	Not applicable
upper explosive limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
pH value at 10g/l	11 - 11.5
Pure pH	> 13
kinematic viscosity	Not available
Solubility	Soluble in water in all proportions
Partition coefficient: n-octanol/water	Not available
Vapour pressure	Not available
Mass density	1.12 g/cm³
Relative density	1.12
Vapour density	Not available
Particle characteristics	Not applicable

9.2. Other information

(20°C)	1.11 g/cm³
Explosive properties	Not applicable
Oxidising properties	Not applicable
Evaporation rate:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactivity of the product in its commercial packaging and under normal and recommended environmental conditions of storage and handling.
Hazards linked to exothermal reactions.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Not to mix with sodium hypochlorite (bleach) or another product of bleaching. The mixture which would result from this would cause a violent exothermic reaction, followed by a release of chlorine gas.

The contact with strong acids (for example, acid sulphuric,phosphoric, nitric, hydrochloric, chromic or sulphonic) can cause a release of heat, a boiling and a release of toxic vapors.

10.4. Conditions to avoid

Excessive heat (>50°C)

10.5. Incompatible materials

Strong acids.
Light metals and/or colored.

10.6. Hazardous decomposition products

In contact with certain metals (aluminium, zinc...), release of flammable and/or explosive hydrogen if ignited.
Contact with acids liberates gaseous chlorine.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) N°1272/2008

Substance-related data:

Acute toxicity
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (100%) : LD 50 - oral female rat (OECD 401): 243.6 mg/kg. - MSDS supplier
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (100%) : LD 50 - dermal rat (OECD 402): > 600 mg/kg. - MSDS supplier
Sodium (xylenes and 4-ethylbenzene)sulfonates (30%) : LD 50 - dermal rabbit (OECD 402): > 2,000 mg/kg bw. - MSDS supplier
Alcohols, C13-15, branched and linear, ethoxylated (100%) : LD 50 - oral rat > 300 - 2,000 mg/kg. - MSDS supplier

Skin corrosion/irritation
Alcohols, C13-15, branched and linear, ethoxylated (100%) : Skin corrosion/irritation rabbit . non irritating - MSDS supplier

Serious damage to eyes/eye irritation
Alcohols, C13-15, branched and linear, ethoxylated (100%) : Serious damage to eyes/eye irritation rabbit . corrosive to the eyes - MSDS supplier

Germ cell mutagenicity
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : Ames test bacterias (Salmonella typhimurium) (OECD 471 Ames test): . Negative - MSDS supplier

Carcinogenicity
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (100%) : (OECD 453): . Not carcinogenic - MSDS supplier

Mix-related data: :

Acute toxicity
. Not determined

Skin corrosion/irritation
Skin corrosivity . The mix is considered to be corrosive for the skin under the criteria of Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation
Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

Respiratory / skin sensitisation
Skin sensitisation . The mixture is not considered as a skin sensitiser according to 1272/2008/EC Regulation.
Respiratory sensitisation . The mixture is not considered as a respiratory sensitiser according to 1272/2008/EC Regulation.

Mutagenicity
. The classification criteria are not met given the available data.

Carcinogenicity
. The classification criteria are not met given the available data.

Reproductive toxicity
. The classification criteria are not met given the available data.

Specific target organ toxicity - single exposure
. The classification criteria are not met given the available data.

Specific target organ toxicity - repeated exposure
. No data available.

Aspiration hazard
. The classification criteria are not met given the available data.

Most important symptoms and effects, both acute and delayed :

Skin contact : Corrosive : Causes severe burns.

Eye contact : Causes serious eye damage.

Ingestion : Causes severe burns in mouth and digestive tract.
Risk of perforating digestive tracts.

Inhalation : Inhaling vapours or aerosols can irritate respiratory tracts, including irritation of the nose and throat, a cough and difficulty breathing.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties
Not concerned

SECTION 12: ECOLOGICAL INFORMATION

12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

Substance-related data:

Acute toxicity
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : EC 50 - 48h daphnia (Daphnia magna) (EPA): 0.073 mg/L. - MSDS supplier

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : LC 50 - 96h fishes (Oncorhynchus mykiss) (OECD 203): 0.68 mg/L. - MSDS supplier
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : EC 10 - 72h algae (Desmodesmus subspicatus) (OECD 201): 0.012 mg/L. - MSDS supplier
Alcohols, C13-15, branched and linear, ethoxylated (100%) : LC 50 - 96hours fishes (Brachydanio rerio) > 1 - 10 mg/L. - MSDS supplier
Alcohols, C13-15, branched and linear, ethoxylated (100%) : EC 50 - 48hours Aquatic invertebrates (Daphnia magna) > 1 - 10 mg/L. - MSDS supplier
Alcohols, C13-15, branched and linear, ethoxylated (100%) : EC 50 - 72hours algae (Scenedesmus subspicatus) > 1 - 10 mg/L. - MSDS supplier

Chronic toxicity
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : NOEC - 72h algae (Desmodesmus subspicatus) (OECD 201): 0.006,9 mg/L. - MSDS supplier
Alcohols, C13-15, branched and linear, ethoxylated (100%) : NOEC Aquatic invertebrates (Daphnia magna) > 0.1 - 1 mg/L. - MSDS supplier

Degradability
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : Biodegradability - 28days (OECD 302B Zahn - Wellens test): 91 %. - MSDS supplier
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine : Biodegradability - 28days (OECD 301D): 79 %. Easily biodegradable. - MSDS supplier

Mix-related data: :

Acute toxicity
fishes . No data available.
daphnia . No data available.
algae . No data available.

Chronic toxicity
. No data available.

Degradability
. No data available.

Bioaccumulation
. No data available.

Mobility
. No data available.

Conclusion :
The mixture is considered to be dangerous for the environment according to 1272/2008/EC Regulation.

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 concerned

12.7. Other adverse effects

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Treatment of the mixture :
Do not discharge the product directly to sewer or to environment.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :
Rinse thoroughly the packaging with water and treat the effluent like wastes.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

SECTION 14: TRANSPORT INFORMATION

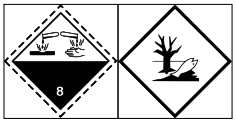
ROAD TRANSPORT: Rail/Route (RID/ADR)

14.1 UN no : 1903

14.2 UN proper shipping name :
DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine + Ethylenediamine tetraacetic acid tetrasodium salt)

14.3 Transport hazard class(es) : 8

14.4 Packing group : III
Hazard identification number : 80
Label : 8



Tunnel code : (E)

14.5 Environmental hazard : Yes (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine)

14.6 Special precautions for user : No information.

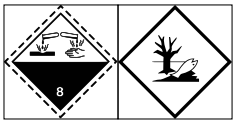
Limited Quantity (QL): 5L

MARITIME TRANSPORT : IMDG

14.1 UN no :1903

14.2 UN proper shipping name : DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine + Ethylenediamine tetraacetic acid tetrasodium salt)

14.3 Transport hazard class(es) : 8



14.4 Packing group : III

14.5 Environmental hazard
Marine pollutant : Yes (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine)

14.6 Special precautions for user : No information.
EmS number : F-A, S-B

Limited Quantity (QL): 5L

14.7 Maritime transport in bulk according to IMO instruments : Not concerned

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EU) n°528/2012 concerning the making available on the market and use of biocidal products :
Active ingredient: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Regulations relating to the hazards from major accidents :
SEVESO 3 Directive (2012/18/EC) : E1

Regulations relating to the classification, packaging and labelling of substances and mixtures :
Regulation (EC) 1272/2008 amended.

Waste regulations :
2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC
Decision 2014/955/EC which establishes the list of hazardous waste.

Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals : Not concerned

Protection of workers :
Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants : Not applicable

Regulation (EC) 1005/2009 amended on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors:
Not concerned

Regulation (EC) 648/2004 :
Not concerned

Comply with national and local legislation.

UN Globally Harmonised System (GHS) on Classification and Labelling of Chemical (GB CLP - SI 2020 No. 1567) and UK REACH (SI 2020 No. 1577)

15.2. Chemical safety assessment

This safety data sheet has been drafted taking into account the information from exposure scenarios for the substances making up the mixture.

SECTION 16: OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.
In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.
Regulations are only stated in order to help users fulfill the duties involved in the use of the product.
This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :
Not concerned

List of H phrases referred to in section 3 :
H290 : May be corrosive to metals.
H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.

H373 : May cause damage to organs through prolonged or repeated exposure.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Sources of key data used to compile the data sheet :
MSDS supplier

Historical :
Version 7.0.0
Cancels and replaces previous version .