SAFETY DATA SHEET

QH HOUGHTOSAFE™ 620 EP

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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

1.1 Product identifier

Product code : 300703-02

Product name : QH HOUGHTOSAFE™ 620 EP

Other means of identification : Not available.

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

Relevant uses : Fire-resistant hydraulic fluid

Uses advised against : Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier : Quaker Houghton Sales BV
Beacon Road
Trafford Park
Manchester
M17 1AF
Tel: +44 (0)161 874 5000

ProductStewardship-EMEA@quakerhoughton.com
www.quakerhoughton.com

1.4 Emergency telephone number

Telephone number : CHEMTREC UK: +(44)-870-8200418 (National) or +(44)-203-8073798 (London)
NHS Direct (England): 111

NHS Direct (Wales): 0845 46 47

NHS 24 (Scotland): 08454 24 24 24

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

Product definition : Mixture

Classification according to UK CLP/GHS

Acute Tox. 4, H302
STOT RE 2, H373

See Section 16 for the full text of the H statements declared above.

SECTION 2: Hazards identification

2.2 Label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Harmful if swallowed.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention : Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response : Get medical advice or attention if you feel unwell.

Storage : Not applicable.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Type
ethane-1,2-diol	REACH #: 01-2119456816-28 EC: 203-473-3 CAS: 107-21-1	≥25 - ≤50	Acute Tox. 4, H302 STOT RE 2, H373	[1] [2]
Amine neutralized with fatty acid	-	≤3	Acute Tox. 4, H312 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
2-diethylaminoethanol	REACH #: 01-2119488937-14 EC: 202-845-2 CAS: 100-37-8	<1	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	[1]

SECTION 3: Composition/information on ingredients

			See Section 16 for the full text of the H statements declared above.	

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Get medical attention. If medical advice is needed, have product container or label at hand. Use personal protective equipment as required. Remove contaminated clothing and wash it before reuse. Wash skin surfaces thoroughly after contact.

Inhalation : Move affected person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and wash it before reuse.

Eye contact : Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do.

Ingestion : Get medical attention. Ingestion may cause gastrointestinal irritation and diarrhea. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation : Not expected under normal use.

Skin contact : Not expected under normal use.

Eye contact : Not expected under normal use.

Ingestion : stomach pains,nausea or vomiting,diarrhea

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Use personal protective equipment as required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, CO_2, water spray (fog) or foam.

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 : In a fire, hazardous decomposition products may be produced. carbon oxides (CO, CO_2) nitrogen oxides

SECTION 5: Firefighting measures

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 British standard BS 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. Put on appropriate personal protective equipment (see Section 8). Keep unnecessary personnel away. Avoid breathing vapor or mist. Provide adequate ventilation.

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". Evacuate area.

6.2 Environmental precautions : Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Do not allow any potentially contaminated water, including rain water, runoff from fire fighting or spills, to enter any waterway, sewer or drain.

6.3 Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Absorb with an inert 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. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Absorb with an inert material and place in an appropriate waste disposal container. 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest.

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. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Storage temperature : Store between the following temperatures: 4 to 40°C (39.2 to 104°F).

SECTION 7: Handling and storage

Shelf life : 24 months

7.3 Specific end use(s)

Recommendations : Observe technical data sheet/instructions for use.

Industrial sector specific solutions : Observe technical data sheet/instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
ethane-1,2-diol	**EH40/2005 WELs (United Kingdom (UK), 1/2020)** Absorbed through skin. TWA 8 hours: 10 mg/m³. Form: Particulate. TWA 8 hours: 20 ppm. Form: Vapor. STEL 15 minutes: 40 ppm. Form: Vapor. TWA 8 hours: 52 mg/m³. Form: Vapor. STEL 15 minutes: 104 mg/m³. Form: Vapor.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS 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
ethanediol	DNEL	Long term Inhalation	7 mg/m³	General population	Local
	DNEL	Long term Inhalation	35 mg/m³	Workers	Local
	DNEL	Long term Dermal	53 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	106 mg/kg bw/day	Workers	Systemic
2-diethylaminoethanol	DNEL	Long term Dermal	2.5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	10.7 mg/m³	Workers	Local
	DNEL	Long term Inhalation	18.3 mg/m³	Workers	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
ethanediol	Fresh water	10 mg/l	-
	Marine water	1 mg/l	-
	Fresh water sediment	37 mg/kg dwt	-
	Marine water sediment	3.7 mg/kg dwt	-
	Soil	1.53 mg/kg dwt	-
	Sewage Treatment Plant	199.5 mg/l	-
2-diethylaminoethanol	Fresh water	0.062 mg/l	-
	Fresh water sediment	0.673 mg/kg	-

SECTION 8: Exposure controls/personal protection

	Marine water	0.006 mg/l	-
	Marine water sediment	0.067 mg/kg	-
	Soil	0.098 mg/kg	-
	Sewage Treatment Plant	10 mg/l	-

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Engineering controls should be considered as the first line of protection against adverse exposure to harmful substances. Administrative controls and PPE should be used in the absence of engineering controls or as supplemental controls where engineering controls are insufficient in reducing specific exposures to an acceptable level

Individual protection measures

Eye/face protection : Use eye protection according to EN 166, designed to protect against liquid splashes. 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 : The following glove type may be suitable for handling this product Protective gloves complying with EN374

nitrile rubber	Glove Thickness : ≥0.38 mm	Break through time : ≥ 480 minutes
butyl rubber	Glove Thickness : ≥0.64 mm	Break through time : ≥ 480 minutes

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Always ensure that gloves are free from defects and that they are stored and used correctly. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

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. Wear work clothing with long sleeves.

Respiratory protection : No personal respiratory protective equipment normally required. In case of inadequate ventilation wear respiratory protection. If heated and ventilation is inadequate, use respirator which will protect against organic vapor and dust/mist. Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification.

This information is based on the state in which the specific product is delivered and on the intended use specified within this SDS. This information is provided based on literature reference, manufacturer specifications and recommendations and/or derived by analogy with similar substances. The level of protection and types of exposure controls will vary depending on potential exposure conditions.

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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. 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. Ensure regular inspection, cleaning and maintenance of equipment and machines.

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 8: Exposure controls/personal protection

Thermal hazards : Not expected under normal use. Not relevant/applicable due to nature of the product.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.

Color : Clear. Red.

Odor : Typical

Odor threshold : Not available.

pH : 10

Melting point/freezing point : Not available.

Initial boiling point and boiling range : 100°C

Flash point : Not applicable.

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Upper/lower flammability or explosive limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Density : 1.08 g/cm³ [15°C]

Solubility(ies) :

Media	Result
water	Soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): 40 mm^2/s (40 cSt)

Explosive properties : Not applicable.

Oxidizing properties : Not applicable.

Particle characteristics

Median particle size : Not applicable.

9.2 Other information

Pour Point : <-45°C

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 measures identified.

SECTION 10: Stability and reactivity

10.5 Incompatible materials : Strong oxidizing materials. strong acids. strong alkalis

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 toxicological effects

Acute toxicity : Harmful if swallowed.

Acute toxicity estimates

Route	ATE value
Oral	1170.28 mg/kg
Dermal	19432.94 mg/kg
Inhalation (vapors)	143.37 mg/l
Inhalation (dusts and mists)	51.38 mg/l

Numerical measures of toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ethane-1,2-diol	LD50 Oral	Rat	4000 mg/kg	-
2-diethylaminoethanol	LC50 Inhalation Dusts and mists	Rat	0.5 mg/l	4 hours
	LC50 Inhalation Vapor	Rat	3 mg/l	4 hours
	LD50 Dermal	Rabbit	1100 mg/kg	-
	LD50 Oral	Rat	1300 mg/kg	-

Irritation/Corrosion : Based on available data, the classification criteria are not met.

Product/ingredient name	Result	Species	Score	Exposure	Observation
ethane-1,2-diol	Eyes - Mild irritant	Rabbit	-	1 hours 100 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Moderate irritant	Rabbit	-	6 hours 1440 mg	-
	Skin - Mild irritant	Rabbit	-	555 mg	-
2-diethylaminoethanol	Eyes - Severe irritant	Rabbit	-	5 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-

Respiratory or skin sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Reproductive toxicity : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.

Product/ingredient name	Category	Route of exposure	Target organs
2-diethylaminoethanol	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.

Product/ingredient name	Category	Route of exposure	Target organs
ethane-1,2-diol	Category 2	-	-

Aspiration hazard : Based on available data, the classification criteria are not met.

SECTION 11: Toxicological information

Other information : None identified.

Information on the likely routes of exposure

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Ingestion : Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : Not expected under normal use.

Skin contact : Not expected under normal use.

Eye contact : Not expected under normal use.

Ingestion : stomach pains,nausea or vomiting,diarrhea

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

May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1 Toxicity

No known significant effects or critical hazards.

Product/ingredient name	Result	Species	Exposure
ethane-1,2-diol	Acute LC50 6900000 µg/l Fresh water	Crustaceans - *Ceriodaphnia dubia* - Neonate	48 hours
	Acute LC50 41000 mg/l Fresh water	Daphnia - *Daphnia magna* - Neonate	48 hours
	Acute LC50 8050000 µg/l Fresh water	Fish - *Pimephales promelas*	96 hours
2-diethylaminoethanol	Acute EC50 28 to 62.3 mg/l	Algae	72 hours
	Acute EC50 83.6 to 165 mg/l	Daphnia	48 hours
	Acute LC50 1780000 µg/l Fresh water	Fish - *Pimephales promelas*	96 hours

12.2 Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
ethanediol	-	-	Readily
2-diethylaminoethanol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
ethanediol	-1.36	-	Low
2-diethylaminoethanol	0.21	<6.1	Low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

SECTION 12: Ecological information

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

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods : 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. Empty containers or liners may retain some product residues. Empty containers retain product residue and can be hazardous. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	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.

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 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

UK (GB)/REACH

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Substances of very high concern

This product does not contain candidate substances of very high concern at a concentration ≥ 0.1%

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

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.

15.2 Chemical Safety Assessment : 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 : ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative
IMDG = International Maritime Dangerous Goods
IATA = International Air Transport Association
ADR = The European Agreement concerning the International Carriage of

SECTION 16: Other information

Dangerous Goods by Road

Key literature references and sources for data : The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006] Annex II as ammended by UK REACH Regulation SI 2019/758
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
Safety data sheets of raw materials, global regulatory body information, scientific literature, and testing data .

Procedure used to derive the classification

Classification	Justification
Acute Tox. 4, H302 STOT RE 2, H373	Calculation method Calculation method

Full text of abbreviated H statements

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
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.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Full text of classifications

Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
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
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3

Training advice : **Users of this product should be provided the information in this safety data sheet, including possible hazards, safe handling, and proper use of chemical products.**

Version : 1.01

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is correct to the best of our knowledge, information and belief at the date of its publication. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.