

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 28-Feb-2017 Revision Date 11-Feb-2021 Revision Number 6

EGHS / English

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

1.1. Product identifier

Product Name EpoxiCure 2 Hardener

Product Code(s) 20-3432-016, 20-3432-032

(M)SDS Number 1350313_E

Chemical name

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

Recommended Use Laboratory use.

Uses advised againstNo information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer ITW Test & Measurement GmbH

Manufacturer Address Boschstraße 10

73734 Esslingen am Neckar / GERMANY

www.buehler-met.de www.buehler.fr www.buehler.co.uk

Phone number +49 (0) 711 4904690-0

E-mail address lab.eu@buehler.com

1.4. Emergency telephone number

Global Access Code: 334545 Americas: +1 760 476 3962

Americas: +1 760 476 3962 Europe: +1 760 476 3961

Middle East/Africa: +1 760 476 3959 Asia Pacific: +1 760 476 3960

UK: +44 8 08 189 0979

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture



Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Acute toxicity - Inhalation (Vapors)	Category 2
Skin corrosion/irritation	Category 1 Sub-category B - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 2 - (H411)
Corrosive to metals	

2.2. Label elements



Signal word

Danger

Hazard Statements

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H330 - Fatal if inhaled

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/

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 or doctor

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

P271 - Use only outdoors or in a well-ventilated area

P272 - Contaminated work clothing should not be allowed out of the workplace

2.3. Other hazards

No information available

Section 3: Composition/information on ingredients

3.1 Substances



Page 2/14

Not applicable.

3.2 Mixtures

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Poly[oxy(methyl-1,2-etha nediyl)], .alphahydroomega(2- aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl) -1,3-propanediol (3:1)	-	39423-51-3	30 - 50%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	No data available
Triethylene tetramine	-	112-24-3	10 - 30%	Acute Tox. 4 (H312) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	No data available
Diethylene triamine	203-865-4	111-40-0	10 - 30%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 1 (H330) Skin Corr. 1B (H314) Skin Sens. 1 (H317) STOT SE 3 (H335)	No data available

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

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: First aid measures

4.1. Description of first aid measures

General advice Before	ore seeking medical attention remov	e contaminated clothing and shoes.
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Immediate medical attention is required. Show this safety data sheet to the doctor

in attendance.

InhalationRemove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim

ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary

edema may occur. Get immediate medical advice/attention.

Skin contact Wash off immediately with soap and plenty of water while removing all

contaminated clothes and shoes. Get immediate medical advice/attention. May

cause an allergic skin reaction.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical

advice/attention.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of



water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Itching. **Symptoms**

May cause allergic skin reaction. Burning sensation.

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

Product is a corrosive material. Use of gastric lavage or emesis is Note to physicians

> contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitization in susceptible persons.

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment, Dry chemical, CO2, alcohol-resistant foam or water

spray.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous Combustion Products

Flammable/toxic gases may accumulate in confined areas (basements, tanks, hopper/tank cars etc.).

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Protective equipment and precautions for firefighters. Cool containers with flooding quantities of water until well after fire is out. Wear a self-contained breathing apparatus and chemical protective clothing. In the event of fire and/or explosion do not breathe fumes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Attention! Corrosive material.



Evacuate personnel to safe areas. Keep people away from and upwind of

spill/leak.

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Should not be released into the

environment. Do not allow to enter into soil/subsoil. Prevent product from entering

drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical

waste container. Absorb or cover with dry earth, sand or other non-combustible

material and transfer to containers.

Methods for cleaning upSoak up with inert absorbent material. Sweep up and shovel into suitable

containers for disposal. After cleaning, flush away traces with water.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. In case of insufficient ventilation, wear suitable

respiratory equipment. Avoid contact with skin, eyes or clothing. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety

practice.

General Hygiene Considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face

protection. Do not eat, drink or smoke when using this product. Remove and wash

contaminated clothing and gloves, including the inside, before re-use.

Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands

before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of

the reach of children. Store locked up. Protect from moisture. Store away from other materials. Keep at a temperature not exceeding 20-40°C °C. Store contents

under 20-40°C.

7.3. Specific end use(s)

Identified Uses

Risk Management Methods

(RMM)

The information required is contained in this Material Safety Data Sheet.



Section 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Diethylene triamine	-	STEL: 3 ppm	TWA: 1 ppm	vía dérmica*	TWA: 1 ppmTWA:
111-40-0		STEL: 12.9 mg/m ³	TWA: 4 mg/m ³	TWA: 1 ppm	4 mg/m ³
		TWA: 1 ppm		TWA: 4.3 mg/m ³	
		TWA: 4.3 mg/m ³			
		Sk*			
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Diethylene triamine	-	TWA: 1 ppm	-	TWA: 1 ppm	TWA: 1 ppm
111-40-0				TWA: 4.3 mg/m ³	TWA: 4 mg/m ³
				STEL: 3 ppm	H*
				STEL: 13 mg/m ³	
				iho*	
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Triethylene tetramine	-	-	STEL: 3 mg/m ³	TWA: 1 ppm	-
112-24-3			TWA: 1 mg/m ³	TWA: 6 mg/m ³	
				STEL: 3 ppm	
				STEL: 12 mg/m ³	
Diethylene triamine	TWA: 1 ppm	H*	P*	TWA: 1 ppm	TWA: 1 ppm
111-40-0	TWA: 4 mg/m ³	TWA: 1 ppm	STEL: 12 mg/m ³	TWA: 4 mg/m ³	TWA: 4 mg/m ³
		TWA: 4 mg/m ³	TWA: 4 mg/m ³	H*	STEL: 3 ppm
				STEL: 3 ppm	STEL: 12 mg/m ³
				STEL: 8 mg/m ³	Sk*

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye/face protection Face protection shield.

Hand Protection Wear suitable gloves. Impervious gloves. Butyl rubber. Nitrile rubber. Neoprene

gloves.

Skin and body protection Chemical resistant apron. Wear suitable protective clothing. Long sleeved

clothing.

Respiratory protection Use appropriate respiratory protection.

Environmental exposure Do not allow into any sewer, on the ground or into any body of water.



controls

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Appearance Clear to yellow Odor Characteristic

ColorNo information availableOdor ThresholdNo information available

Property Values Remarks Method

pH No data available

Melting / freezing pointNo data availableNone knownBoiling point / boiling rangeNo data availableNone known

Flash Point > 100 °C

Evaporation RateNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability Limit in AirNone known

Upper flammability limit

No data available

Lower flammability limit

No data available

Vapor pressureNo data availableNone knownVapor density< 1 mm Hg @ 20 deg C</td>None known

Relative density 1.03 g/cm³

Water Solubility Soluble in water

Solubility(ies) No data available None known Partition coefficient: n-octanol/water No data available None known **Autoignition temperature** No data available None known **Decomposition temperature** No data available None known Kinematic viscosity No data available None known 280 - 420 CPS Viscosity None known

9.2. Other information

Softening Point
Molecular Weight
VOC Content (%)
Liquid Density
Bulk Density
Particle Size
No information available

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity This product is non-reactive under normal conditions of use, storage and

transport.

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.



Sensitivity to Static Discharge

None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

S

None under normal processing.

10.4. Conditions to avoid

Exposure to air or moisture over prolonged periods, To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Acids, Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide (CO2), Carbon monoxide, Ammonia, Nitrogen oxides (NOx).

Section 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Corrosive by

inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be

fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes burns.

(based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage

to eyes.

Skin contact Specific test data for the substance or mixture is not available. Corrosive. (based

on components). Causes burns. May be absorbed through the skin in harmful

amounts. Harmful in contact with skin.

Ingestion Specific test data for the substance or mixture is not available. Causes burns.

(based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be

fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Coughing and/ or wheezing. Itching.

Rashes. Hives.



Page 8/14

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,590.361 mg/kg mg/kg **ATEmix (dermal)** 1,414.148 mg/kg mg/kg

ATEmix (inhalation-vapor) 0.519 mg/l/4h

Unknown acute toxicity

100 % of the mixture consists of ingredient(s) of unknown toxicity

50 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

50 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Poly[oxy(methyl-1,2-ethaned iyl)], .alphahydroomega(2-am inomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1, 3-propanediol (3:1)		> 1000 mg/kg	-
Triethylene tetramine	> 1000 mg/kg (Rat)	= 550 mg/kg (Rabbit)	-
Diethylene triamine	= 1620 mg/kg	= 1090 mg/kg (Rabbit)	= 0.3 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes burns.

Serious eye damage/eye

irritation

Classification based on data available for ingredients. Risk of serious damage to

eves. Causes burns.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: Ecological information



12.1. Toxicity

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to	Daphnia Magna
			Microorganisms	(Water Flea)
Triethylene tetramine	72h EC50: = 2.5 mg/L	96h LC50: = 570 mg/L	-	48h EC50: = 31.1
	(Desmodesmus	(Poecilia reticulata)		mg/L
	subspicatus) 96h	96h		
	EC50:	LC50: = 495 mg/L		
	= 3.7 mg/L	(Pimephales promelas)		
	(Pseudokirchneriella			
	subcapitata) 72h			
	EC50: =			
	20 mg/L			
	(Pseudokirchneriella			
	subcapitata)			
Diethylene triamine	72h EC50: = 1164	96h LC50: = 430 mg/L	EC50 = 2000 mg/L 1 h	24h EC50: = 37 mg/L
	mg/L	(Leuciscus idus) 96h	EC50 = 96 mg/L 17 h	48h
	(Pseudokirchneriella	LC50:		EC50: = 16 mg/L
	subcapitata) 96h	= 1014 mg/L (Poecilia		
	EC50: =	reticulata) 96h LC50: =		
	345.6 mg/L	248		
	(Pseudokirchneriella	mg/L (Poecilia		
	subcapitata) 96h	reticulata)		
	EC50: =			
	592 mg/L			
	(Desmodesmus			
	subspicatus)			

12.2. Persistence and degradability

Persistence and Degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation Not likely to bioaccumulate.

Bioconcentration factor (BCF) 3.162 (BCFBAF v3.01, Calculated value)

Chemical name	Log Pow
Poly[oxy(methyl-1,2-ethanediyl)],	-1.13
.alphahydroomega(2-aminomethylethoxy)-, ether with	
2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	
Diethylene triamine	-1.58 20 °C

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment



Page 10/14

Poly[oxy(methyl-1,2-ethanediyl)],	The substance is not PBT / vPvB
.alphahydroomega(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	
	The substance is not DPT / vDvP
Diethylene triamine	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available. Other adverse effects

Endocrine Disruptor Information

ziiacomio ziolapto, miormano.		
Chemical name	EU - Endocrine Disrupters	EU - Endocrine Disruptors -
	Candidate List	Evaluated Substances
Triethylene tetramine	Group III Chemical	-

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of contents/ container to an approved landfill. Dispose of waste in accordance with environmental legislation. Should not be released into the

environment.

Contaminated packaging

Dispose of contents/containers in accordance with local regulations.

Section 14: Transport information

IMDG/IMO

14.1 UN-No. UN2735

14.2 Proper Shipping Name POLYAMINES, LIQUID, CORROSIVE, N.O.S.

Description

UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENE

TETRAMINE, DIETHYLENE TRIAMINE), 8, III

14.3 Hazard Class 8

14.4 Packing Group Ш

14.5 Marine Pollutant

Not applicable **Environmental hazard** Yes

14.6 Special Provisions None EmS-No. F-A. S-B

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

Code

No information available

RID

14.1 UN-No. UN2735

14.2 Proper Shipping Name POLYAMINES, LIQUID, CORROSIVE, N.O.S.

Description

UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENE

TETRAMINE, DIETHYLENE TRIAMINE), 8, III

14.3 Hazard Class 14.4 Packing Group Ш 14.5 Environmental hazard Yes 14.6 Special Provisions None Classification code C7



ADR

14.1 UN-No. UN2735

14.2 Proper Shipping Name POLYAMINES, LIQUID, CORROSIVE, N.O.S.

Description UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENE

TETRAMINE, DIETHYLENE TRIAMINE), 8, III

14.3 Hazard Class814.4 Packing GroupIII14.5 Environmental hazardYes

14.6 Special Provisions None 274
Classification code C7
Tunnel restriction code (E)

IATA

14.1 UN-No. UN2735

14.2 Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.

Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENE TETRAMINE,

DIETHYLENE TRIAMINE), 8, III

14.3 Hazard Class814.4 Packing GroupIII14.5 Environmental hazardYes14.6 Special ProvisionsA3

ERG Code 8L

Section 15: Regulatory information

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Triethylene tetramine 112-24-3	RG 49,RG 49bis	-
Diethylene triamine 111-40-0	RG 49,RG 49bis	-

Water hazard class (WGK) hazardous to water (WGK 2)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants

Not applicable.



Dangerous substance category per Seveso Directive (2012/18/EU)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

International Inventories

Contact supplier for inventory compliance status. **TSCA** Contact supplier for inventory compliance status. **DSL/NDSL** Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. **ENCS** Contact supplier for inventory compliance status. **IECSC** Contact supplier for inventory compliance status. KECL Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. **AICS**

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

Section 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H311 - Toxic in contact with skin

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H330 - Fatal if inhaled

H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value - Skin designation



Key literature references and sources for data

www.ChemADVISOR.com/

15-Sep-2016 **Issuing Date**

11-Feb-2021 **Revision Date**

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

Disclaimer

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End of Safety Data Sheet

