SAFETY DATA SHEET
According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Korsolex basic

Version	Revision Date:	SDS Number:	Date of last issue: 27.07.2022
3.11	21.09.2022	R11820	Date of first issue: 22.05.2017

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

1.1 Product identifier

Trade name : Korsolex basic

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

Use of the Substance/Mixture : In-door use
Disinfectants and general biocidal products, For further information, refer to the product technical data sheet.

Recommended restrictions on use : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer, importer, supplier : BODE Chemie GmbH
Melanchthonstraße 27
22525 Hamburg (Germany)
Tel.: +49 (0)40 / 54 00 60

Paul HARTMANN Limited
Heywood Distribution Park, Heywood
P2, Parklands
OL10 2TT
Manchester
England

Responsible Department : info@uk.hartmann.info

1.4 Emergency telephone number

Emergency telephone number : NPIS 24-hour telephone helpline:
+44 (0)344 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, Category 2	H341: Suspected of causing genetic defects.
Carcinogenicity, Category 1B	H350: May cause cancer.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :

Signal word : Danger

Hazard statements :

H302 + H332 Harmful if swallowed or if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH071 Corrosive to the respiratory tract.

Precautionary statements :

Prevention:

P201 Obtain special instructions before use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 Wear respiratory protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Glutaral (CAS: 111-30-8)
(ethylenedioxy)dimethanol (CAS: 3586-55-8)
Formaldehyde (CAS: 50-00-0)
but-2-yne-1,4-diol (CAS: 110-65-6)

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. REACH No.	Classification	Concentration (% w/w)
Glutaral	111-30-8 203-856-5 605-022-00-X 01-2119455549-26	Acute Tox. 3; H301 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1A; H317 STOT SE 3; H335 (Respiratory system) Aquatic Acute 1; H400 Aquatic Chronic 2; H411 EUH071 M-Factor (Acute aquatic toxicity): 1 specific concentration limit STOT SE 3; H335 0.5 - < 5 %	>= 10 - < 20
Formaldehyde	50-00-0 200-001-8 605-001-00-5 01-2119488953-20	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Muta. 2; H341 Carc. 1B; H350 specific concentration limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 5 - < 25 % Eye Irrit. 2; H319 5 - < 25 % STOT SE 3; H335 >= 5 % Skin Sens. 1; H317 >= 0.2 %	>= 5 - < 10
Tridecanol, branched, ethoxylated	69011-36-5 500-241-6 01-2119976362-32	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
Alcohols, C12-14. ethoxylated	68439-50-9 500-213-3 POLYMER	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10

but-2-yne-1,4-diol	110-65-6 203-788-6 603-076-00-9 01-2119489899-05	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT RE 2; H373 _____ specific concentration limit Skin Corr. 1B; H314 >= 50 % Skin Irrit. 2; H315 25 - < 50 % Eye Irrit. 2; H319 25 - < 50 %	>= 0.1 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Call a physician immediately.

If inhaled : Remove to fresh air immediately. Get medical attention immediately.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with plenty of water.

In case of eye contact : Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.

If swallowed : Rinse mouth.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Harmful if swallowed or if inhaled.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing genetic defects.
May cause cancer.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.
Keep under medical supervision for at least 48 hours.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet
Dry powder
Carbon dioxide (CO2)
Foam

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	:	No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions	:	Should not be released into the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Clean-up methods - large spillage Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean-up methods - small spillage Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Prepare the working solution as given on the label(s) and/or the user instructions.
Advice on protection against fire and explosion	:	No special protective measures against fire required.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Avoid breathing vapours, mist or gas. Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Store at room temperature in the original container. Keep tightly closed.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Glutaral	111-30-8	TWA	0.05 ppm 0.2 mg/m3	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	0.05 ppm 0.2 mg/m3	GB EH40
	Further information: Capable of causing occupational asthma.			
Formaldehyde	50-00-0	TWA	2 ppm 2.5 mg/m3	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			
		STEL	2 ppm 2.5 mg/m3	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			
		TWA	0.3 ppm 0.37 mg/m3	2004/37/EC
	Further information: Dermal sensitisation, Carcinogens or mutagens			
		STEL	0.6 ppm 0.74 mg/m3	2004/37/EC
	Further information: Dermal sensitisation, Carcinogens or mutagens			
but-2-yne-1,4-diol	110-65-6	TWA	0.5 mg/m3	GB EH40
		TWA	0.5 mg/m3	2017/164/EU
	Further information: Indicative			

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Formaldehyde	50-00-0	TWA	2 ppm 2.5 mg/m3	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			
		STEL	2 ppm 2.5 mg/m3	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			
		TWA	0.3 ppm 0.37 mg/m3	2004/37/EC
	Further information: Dermal sensitisation, Carcinogens or mutagens			
		STEL	0.6 ppm 0.74 mg/m3	2004/37/EC
	Further information: Dermal sensitisation, Carcinogens or mutagens			

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
Glutaral	Workers	Inhalation	Local effects	0.42 mg/m3
	Workers	Skin contact	Long-term systemic effects	6.25 mg/kg
Formaldehyde	Workers	Inhalation	Long-term systemic effects	0.37 mg/m3
	Workers	Skin contact	Long-term systemic effects	240 mg/kg
	Consumers	Oral		4.1 mg/kg
Tridecanol, branched, ethoxylated	Workers	Inhalation	Long-term systemic effects	294 mg/m3
	Workers	Skin contact	Long-term systemic effects	2080 mg/kg
	Consumers	Inhalation		87 mg/m3
	Consumers	Skin contact		1250 mg/kg
	Consumers	Ingestion		25 mg/kg
but-2-yne-1,4-diol	Workers	Skin contact	Long-term systemic effects	0.2 mg/kg
	Workers	Inhalation	Long-term systemic	1.25 mg/m3

			effects	

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
Glutaral	Sewage treatment plant	0.8 mg/l
	Fresh water	0.0025 mg/l
	Soil	0.21 mg/kg
Formaldehyde	Fresh water	0.44 mg/l
	Sewage treatment plant	0.19 mg/l
	Soil	0.2 mg/kg
Tridecanol, branched, ethoxylated	Sewage treatment plant	1.4 mg/l
	Fresh water	0.074 mg/l
	Soil	0.1 mg/kg
but-2-yne-1,4-diol	Fresh water	0.0155 mg/l
	Sewage treatment plant	134 mg/l
	Soil	0.05 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection
- Material : Protective gloves complying with EN 374.
- Break through time : > 480 min
- Glove thickness : 0.1 mm
- Protective index : Class 6

Remarks : Nitrile rubber

Skin and body protection : Work uniform or laboratory coat.
Remove and wash contaminated clothing before re-use.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

Filter type : ABEK-filter

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : green

Odour : characteristic

pH : 4.2 (20 °C)

Melting point/range : not determined

Boiling point/boiling range : 100 °C

Flash point : Not applicable

Flammability (solid, gas) : not auto-flammable

Vapour pressure	:	not determined
Density	:	1.09 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	completely miscible
Viscosity		
Viscosity, dynamic	:	34 mPa.s (20 °C)

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Avoid amines.

10.4 Conditions to avoid

Conditions to avoid	:	Heat Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid	:	Amines

10.6 Hazardous decomposition products

Hazardous decomposition products	:	Formaldehyde (CAS: 50-00-0)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed or if inhaled.

Product:

Acute oral toxicity	:	LD50 Oral (Rat): 484 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: 1.47 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

Glutaral (CAS: 111-30-8):

Acute oral toxicity	:	LD50 (Rat): 154 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, female): 0.28 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

Formaldehyde (CAS: 50-00-0):

Acute oral toxicity : Acute toxicity estimate: 640 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 490 ppm
Test atmosphere: gas

Acute dermal toxicity : Acute toxicity estimate: 270 mg/kg

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Acute oral toxicity : LD50 Oral (Rat): 2,000 mg/kg
Method: Expert judgement

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg
Method: Expert judgement

Alcohols, C12-14. ethoxylated (CAS: 68439-50-9):

Acute oral toxicity : LD50 Oral (Rat): 2,000 mg/kg

but-2-yne-1,4-diol (CAS: 110-65-6):

Acute oral toxicity : LD50 (Rat): 132 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.69 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes

Acute dermal toxicity : LD50 (Rat): 659 mg/kg

Skin corrosion/irritation

Causes severe burns.

Components:

Glutaral (CAS: 111-30-8):

Species : Rabbit
Method : OECD Test Guideline 404
Result : Corrosive

Formaldehyde (CAS: 50-00-0):

Result : Causes burns.

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Species : Rabbit
Result : No skin irritation

but-2-yne-1,4-diol (CAS: 110-65-6):

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Corrosive after 3 minutes or less of exposure

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Species	:	Rabbit
Method	:	OECD Test Guideline 437
Result	:	Risk of serious damage to eyes.

Alcohols, C12-14. ethoxylated (CAS: 68439-50-9):

Result	:	Risk of serious damage to eyes.

but-2-yne-1,4-diol (CAS: 110-65-6):

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Risk of serious damage to eyes.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Product:

Remarks	:	May cause sensitisation by inhalation and skin contact.

Components:

Glutaral (CAS: 111-30-8):

Species	:	Guinea pig
Result	:	The product is a skin sensitiser, sub-category 1A.
Result	:	May cause sensitisation by inhalation.

Formaldehyde (CAS: 50-00-0):

Result	:	The product is a skin sensitiser, sub-category 1A.

Tridecanol, branched, ethoxylated (CAS: 69011-36-5):

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Did not cause sensitisation on laboratory animals.

but-2-yne-1,4-diol (CAS: 110-65-6):

Result	:	May cause sensitisation by skin contact.

Germ cell mutagenicity

Suspected of causing genetic defects.

Components:

Formaldehyde (CAS: 50-00-0):

Germ cell mutagenicity- Assessment : Suspected of inducing heritable mutations in the germ cells of humans.

Carcinogenicity

May cause cancer.

Components:

Formaldehyde (CAS: 50-00-0):

Carcinogenicity - Assessment : May cause cancer by inhalation.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause respiratory irritation.
Corrosive to the respiratory tract.

Components:

Glutaral (CAS: 111-30-8):

Assessment : May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Components:

but-2-yne-1,4-diol (CAS: 110-65-6):

Assessment : May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

No data available

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member

States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting potential	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of as hazardous waste in compliance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Contaminated packaging	:	Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.

SECTION 14: Transport information

14.1 UN number

ADR	:	UN 3265
RID	:	UN 3265
IMDG	:	UN 3265
IATA	:	UN 3265

14.2 UN proper shipping name

ADR	:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (glutaral)
RID	:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (glutaral)
IMDG	:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (glutaral)
IATA	:	Corrosive liquid, acidic, organic, n.o.s. (glutaral)

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14.3 Transport hazard class(es)

ADR	:	8
RID	:	8
IMDG	:	8
IATA	:	8

14.4 Packing group

ADR

Packing group	:	II
Classification Code	:	C3
Hazard Identification Number	:	80
Labels	:	8
Tunnel restriction code	:	(E)
Limited quantity (LQ)	:	1.00 L

RID

Packing group	:	II
Classification Code	:	C3
Hazard Identification Number	:	80
Labels	:	8
Limited quantity (LQ)	:	1.00 L

IMDG

Packing group	:	II
Labels	:	8
EmS Code	:	F-A, S-B
Limited quantity (LQ)	:	1.00 L

IATA (Cargo)

Packing instruction (cargo aircraft)	:	855
Packing instruction (LQ)	:	Y840
Packing group	:	II
Labels	:	Corrosive

IATA (Passenger)

Packing instruction (passenger aircraft)	:	851
Packing instruction (LQ)	:	Y840
Packing group	:	II
Labels	:	Corrosive

14.5 Environmental hazards

ADR

Environmentally hazardous	:	no

RID

Environmentally hazardous	:	no

IMDG

Marine pollutant	:	no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 3 Formaldehyde (CAS: 50-00-0) (Number on list 72, 28)
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Glutaral (CAS: 111-30-8)
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable

Seveso III Directive (2012/18/EU) implemented by Control of Major Accident Hazards Regulations 2015 (COMAH)	E2	ENVIRONMENTAL HAZARDS
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 5.4 %

The components of this product are reported in the following inventories:

TSCA	:	Product contains substance(s) not listed on TSCA inventory.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of H-Statements

H301	:	Toxic if swallowed.
H302	:	Harmful if swallowed.
H311	:	Toxic in contact with skin.
H314	:	Causes severe skin burns and eye damage.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H330	:	Fatal if inhaled.
H331	:	Toxic if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	:	May cause respiratory irritation.
H341	:	Suspected of causing genetic defects.
H350	:	May cause cancer.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.

H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Carc.	:	Carcinogenicity
Eye Dam.	:	Serious eye damage
Muta.	:	Germ cell mutagenicity
Resp. Sens.	:	Respiratory sensitisation
Skin Corr.	:	Skin corrosion
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
2017/164/EU	:	Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2004/37/EC / STEL	:	Short term exposure limit
2004/37/EC / TWA	:	Long term exposure limit
2017/164/EU / TWA	:	Limit Value - eight hours
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture:		**Classification procedure:**
Acute Tox. 4	H302	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method

Korsolex basic

Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Muta. 2	H341	Calculation method
Carc. 1B	H350	Calculation method

Safety datasheet sections which have been updated:

15. Regulatory information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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