SAFETY DATA SHEET
according to the Globally Harmonized System

Korsolex basic

Version	Revision Date:	SDS Number:	Date of last issue: 17.02.2025
4.1	21.02.2025	R12033	Date of first issue: 17.02.2025

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer or supplier's details

Manufacturer	:	BODE Chemie GmbH Melanchthonstraße 27 22525 Hamburg (Germany) Tel.: +49 (0)40 / 54 00 60
Supplier	:	
Responsible Department	:	Scientific Affairs sds@bode-chemie.de
Emergency telephone number	:	Poison Center Göttingen 24h-Phone +49 (0)551 / 1 92 40

Recommended use of the chemical and restrictions on use

Recommended use	:	In-door use Disinfectants and general biocidal products For further information, refer to the product technical data sheet.
Restrictions on use	:	Restricted to professional users.

2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral)	:	Category 4
Acute toxicity (Inhalation)	:	Category 3
Skin corrosion/irritation	:	Sub-category 1B
Serious eye damage/eye irritation	:	Category 1
Respiratory sensitisation	:	Category 1
Skin sensitisation	:	Category 1
Germ cell mutagenicity	:	Category 2
Carcinogenicity	:	Category 1B
Long-term (chronic) aquatic hazard	:	Category 3

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements :
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341 Suspected of causing genetic defects.
H350 May cause cancer by inhalation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : P201 Obtain special instructions before use.

Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 Wear respiratory protection.

Response:

P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/ physician.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water or shower.
P304 + P340 + P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
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.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Glutaral	111-30-8	>= 10 - < 20

Formaldehyde	50-00-0	>= 10 - < 20
(ethylenedioxy)dimethanol	3586-55-8	>= 3 - < 10
Tridecanol, branched, ethoxylated	69011-36-5	>= 3 - < 10
Alcohols, C12-14. ethoxylated	68439-50-9	>= 3 - < 10
but-2-yne-1,4-diol	110-65-6	>= 0,1 - < 1

4. 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.
Most important symptoms and effects, both acute and delayed	:	Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. Causes severe burns.
Notes to physician	:	Keep under medical supervision for at least 48 hours. For specialist advice physicians should contact the Poisons Information Service.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray jet Dry powder Carbon dioxide (CO2) Foam
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	:	Should not be released into the environment.
Methods and materials for containment and 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.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.

Advice on safe handling : Prepare the working solution as given on the label(s) and/or the user instructions.

Conditions for safe storage : Store in original container.
Keep tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Glutaral	111-30-8	C	0,05 ppm	ACGIH
Formaldehyde	50-00-0	TWA	0,1 ppm	ACGIH
		STEL	0,3 ppm	ACGIH

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Formaldehyde	50-00-0	TWA	0,1 ppm	ACGIH
		STEL	0,3 ppm	ACGIH

Personal protective equipment

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

Hand protection
Nitrile rubber Material : Protective gloves complying with EN 374.
Break through time : > 480 min
Glove thickness : 0,1 mm
Protective index : Class 6
: Peha-soft nitrile guard

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

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.

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

Hygiene measures : Handle in accordance with good industrial hygiene and safety prac-

tice.
Avoid contact with the skin and the eyes.
Avoid breathing vapours, mist or gas.
Keep away from food and drink.

9. 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
Vapour pressure	:	not determined
Density	:	1,085 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	completely miscible
Viscosity		
Viscosity, dynamic	:	34 mPa.s (20 °C)

10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Avoid amines.
Conditions to avoid	:	Heat Strong sunlight for prolonged periods.
Incompatible materials	:	Amines
Hazardous decomposition products	:	Formaldehyde (CAS: 50-00-0)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if swallowed.
Toxic if inhaled.

Product:

Acute oral toxicity	:	Acute toxicity estimate: 750,18 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 0,78 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method

Components:

Glutaral (CAS: 111-30-8):

Acute oral toxicity	:	LD50 Oral (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: 500 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: 100 ppm Test atmosphere: gas

(ethylenedioxy)dimethanol (CAS: 3586-55-8):

Acute oral toxicity	:	LD50 Oral (Rat, female): 760 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rat): > 2.000 mg/kg

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

Acute oral toxicity	:	LD50 Oral (Rat): 2.000 mg/kg Method: OECD Test Guideline 401
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 Oral (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 Dermal (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.

(ethylenedioxy)dimethanol (CAS: 3586-55-8):

Result : Skin irritation

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

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

(ethylenedioxy)dimethanol (CAS: 3586-55-8):

Result : Risk of serious damage to eyes.

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.

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 due to lack of data.

STOT - single exposure

Corrosive to the respiratory tract.

Components:

Glutaral (CAS: 111-30-8):

Assessment	:	May cause respiratory irritation.

STOT - repeated exposure

Not classified due to lack of data.

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 due to lack of data.

Experience with human exposure

No data available

Experience with human exposure

No data available

Neurological effects

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Glutaral (CAS: 111-30-8):

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,8 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 2,1 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 0,6 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 NOEC (Desmodesmus subspicatus (green algae)): 0,025 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	:	1
Toxicity to fish (Chronic toxicity)	:	NOEC: 1,6 mg/l Exposure time: 97 d Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 5 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	:	1

Formaldehyde (CAS: 50-00-0):

Toxicity to fish	:	LC50 (Fish): 6,18 mg/l Exposure time: 96 h
Toxicity to daphnia and other	:	EC50 (Daphnia magna (Water flea)): 5,8 mg/l

aquatic invertebrates		Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (algae): 5,67 mg/l Exposure time: 72 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 6,4 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)

(ethylenedioxy)dimethanol (CAS: 3586-55-8):

Toxicity to fish	:	LC50 (Fish): 71 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 28 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 4,62 mg/l Exposure time: 72 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 8 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)

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

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 10 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

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

Toxicity to fish	:	LC50 (Fish): 53,6 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 26,8 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 1.058 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 15 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

Persistence and degradability

Product:

Biodegradability	:	Remarks: The surfactant(s) contained in this preparation com-

plies(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.

Components:

Glutaral (CAS: 111-30-8):

Biodegradability	:	Method: OECD Test Guideline 301A Remarks: Readily biodegradable, according to appropriate OECD test.
Biochemical Oxygen Demand (BOD)	:	Biochemical oxygen demand 235 mg/g Incubation time: 5 d
Chemical Oxygen Demand (COD)	:	1.385 mg/g

Formaldehyde (CAS: 50-00-0):

Biodegradability	:	Result: Readily biodegradable.

(ethylenedioxy)dimethanol (CAS: 3586-55-8):

Biodegradability	:	Result: Readily biodegradable.

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

Biodegradability	:	Result: Totally biodegradable

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

Biodegradability	:	Result: Readily biodegradable.

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

Biodegradability	:	Biodegradation: 91 % Exposure time: 19 d Method: OECD Test Guideline 301E Remarks: Readily biodegradable, according to appropriate OECD test.

Bioaccumulative potential

Components:

Formaldehyde (CAS: 50-00-0):

Partition coefficient: n-octanol/water	:	log Pow: 0,35 (25 °C)

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

Partition coefficient: n-octanol/water	:	log Pow: -0,73 (25 °C)

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	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. Clean container with water. Store containers and offer for recycling of material when in accordance with the local regulations.

14. TRANSPORT INFORMATION

ADR

UN number	:	UN 2922
Proper shipping name	:	CORROSIVE LIQUID, TOXIC, N.O.S. (glutaral, formaldehyde)
Class	:	8
Subsidiary risk	:	6.1
Packing group	:	II
Labels	:	8 (6.1)
Hazard Identification Number	:	86
Tunnel restriction code	:	(E)
Limited quantity (LQ)	:	1,00 L
Environmentally hazardous	:	no

UNRTDG

UN number	:	UN 2922
Proper shipping name	:	CORROSIVE LIQUID, TOXIC, N.O.S. (glutaral, formaldehyde)
Class	:	8
Subsidiary risk	:	6.1
Packing group	:	II
Labels	:	8 (6.1)
Environmentally hazardous	:	no

IATA-DGR

UN/ID No.	:	UN 2922
Proper shipping name	:	Corrosive liquid, toxic, n.o.s. (glutaral, formaldehyde)
Class	:	8
Subsidiary risk	:	6.1
Packing group	:	II
Labels	:	Corrosive, Toxic
Packing instruction (cargo aircraft)	:	855
Packing instruction (passenger aircraft)	:	851

IMDG-Code

UN number	:	UN 2922
Proper shipping name	:	CORROSIVE LIQUID, TOXIC, N.O.S. (glutaral, formaldehyde)
Class	:	8
Subsidiary risk	:	6.1

Packing group	:	II
Labels	:	8 (6.1)
EmS Code	:	F-A, S-B
Limited quantity (LQ)	:	1,00 L
Marine pollutant	:	no

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

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.

15. REGULATORY INFORMATION

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

Other international regulations

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

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

16. OTHER INFORMATION

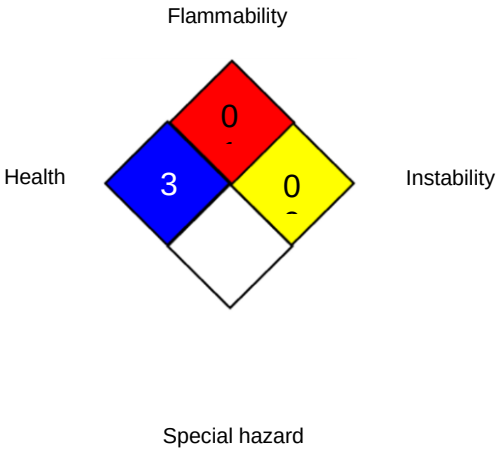
Revision Date	:	21.02.2025
Date format	:	yyyy/mm/dd

Safety datasheet sections which have been updated:

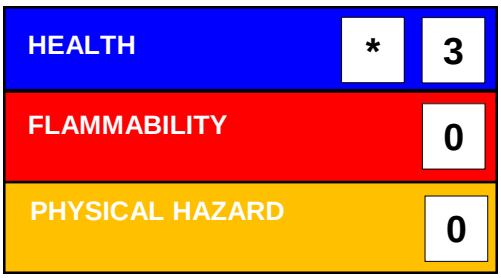
2. Hazards identification
3. Composition/information on ingredients
7. Handling and storage
9. Physical and chemical properties
14. Transport information
15. Regulatory information

Further information

NFPA:



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
ACGIH / C	:	Ceiling limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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.

TC / EN