

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

FLOOR EXPERT EP 1013 KOMPONENTA A



Version 1.0	Revision Date: 19.08.2021	SDS Number: MAT000431717 HR / EN	Date of last issue: - Date of first issue: 19.08.2021
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product code : 431717

Trade name : FLOOR EXPERT EP 1013 KOMPONENTA A

Unique Formula Identifier (UFI) : 1UMJ-D7RM-310U-DN9D

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

Use of the Substance/Mixture : SU19 Building and construction work
SU22 Professional uses
PC9a Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Company : CHROMOS - Boje i lakovi d.d.
Radnička cesta 173D
10000 Zagreb
Croatia

Telephone Company : 1 241 0666

Telefax Company : 1 241 5535

Responsible/issuing person : 1 241 0666
productsafety@chromos.eu

1.4 Emergency telephone number

Nazvati 112

Broj telefona za medicinske informacije: + 385-01-23-48-342

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification REGULATION (EC) No 1272/2008

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements :
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P391 Collect spillage.

Hazardous components which must be listed on the label:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)
bis-[4-(2,3-epoxipropoxy)phenyl]propane
Bisphenol-F-epichlorhydrin-epoxy resin
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

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.

Ecological information: 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.

Toxicological information: 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 3: Composition/information on ingredients

3.2 Mixtures

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Chemical nature : Paint

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification REGULATION (EC) No 1272/2008	Concentration (% w/w)
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700)	25068-38-6 500-033-5 603-074-00-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Eye Irrit. 2; H319 \geq 5 % Skin Irrit. 2; H315 \geq 5 %	\geq 25 - < 30
bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3 216-823-5 603-073-00-2 01-2119456619-26	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Eye Irrit. 2; H319 \geq 5 % Skin Irrit. 2; H315 \geq 5 %	\geq 10 - < 20
Bisphenol-F-epichlorhydrin-epoxy resin	9003-36-5 500-006-8 01-2119454392-40	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411	\geq 10 - < 20
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2 271-846-8 603-103-00-4	Skin Irrit. 2; H315 Skin Sens. 1; H317	\geq 1 - < 10
benzyl alcohol	100-51-6 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319	\geq 1 - < 10
Substances with a workplace exposure limit :			
Quartz (SiO ₂)	14808-60-7 238-878-4		\geq 10 - < 20
Silicon dioxide	7631-86-9		\geq 1 - < 10

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	231-545-4 01-2119379499-16 (covered by CAS 7631-86-9)		
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SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

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5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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 : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Quartz (SiO ₂)	14808-60-7	GVI	0,1 mg/m ³	HR OEL
		TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information: Carcinogens or mutagens				
barium sulphate, natural	7727-43-7	GVI (Total dust, inhalable particles)	10 mg/m ³	HR OEL
		GVI (Respirable dust)	4 mg/m ³	HR OEL
Silicon dioxide	7631-86-9	TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information: Carcinogens or mutagens				
		GVI (Respirable dust)	0,1 mg/m ³	HR OEL
Further information: 2017/2398				

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
barium sulphate, natural	Consumers	Inhalation	Long-term systemic effects	10 mg/m ³
	Workers	Inhalation	Long-term systemic effects	10 mg/m ³

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	Consumers	Oral	Long-term systemic effects	13000 mg/kg bw/day
bis-[4-(2,3-epoxipropoxy)phenyl]propane	Workers	Inhalation	Long-term systemic effects	4,93 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	0,87 mg/m ³
	Workers	Dermal	Long-term systemic effects	0,75 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	0,0893 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0,5 mg/kg bw/day
Silicon dioxide	Workers	Inhalation	Long-term systemic effects	4 mg/m ³
benzyl alcohol	Workers	Inhalation	Long-term systemic effects	22 mg/m ³
	Workers	Inhalation	Acute systemic effects	110 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	5,4 mg/m ³
	Workers	Inhalation	Acute systemic effects	27 mg/m ³
	Workers	Inhalation	Acute systemic effects	27 mg/m ³
	Workers	Dermal	Long-term systemic effects	8 mg/kg bw/day
	Workers	Dermal	Acute systemic effects	40 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	20 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	4 mg/kg bw/day
	Consumers	Dermal	Acute systemic effects	20 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	4 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
barium sulphate, natural	Soil	207,7 mg/kg dry weight (d.w.)
	Fresh water	0,115 mg/l
	Fresh water sediment	600,4 mg/kg dry weight (d.w.)
	Sewage treatment plant	62,2 mg/l
bis-[4-(2,3-epoxipropoxy)phenyl]propane	Fresh water	0,006 mg/l
	Intermittent use/release	0,018 mg/l
	Marine water	0,0006 mg/l
	Sewage treatment plant	10 mg/l

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	Fresh water sediment	0,341 mg/kg dry weight (d.w.)
	Marine sediment	0,0341 mg/kg dry weight (d.w.)
	Soil	0,0647 mg/kg dry weight (d.w.)
	Oral (Secondary Poisoning)	11 mg/kg food
benzyl alcohol	Soil	0,456 mg/kg dry weight (d.w.)
	Marine water	0,1 mg/l
	Fresh water	1 mg/l
	Marine sediment	0,527 mg/kg dry weight (d.w.)
	Fresh water sediment	5,27 mg/kg dry weight (d.w.)
	Sewage treatment plant	39 mg/l
	Intermittent use/release	2,3 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : Equipment should conform to EN 166
Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Remarks : Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In the case of dust or aerosol formation use respirator with an approved filter.

Respirator with a half face mask
Equipment should conform to EN-136; EN-143; EN-149; EN-529

Filter type : Combined particulates and organic vapour type (A - P2)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid
Colour : in accordance with the product description

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Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/freezing point	:	-16 °C (1.013,25 hPa)
Boiling point/boiling range	:	2.230 °C (calculation method (principal components, lowest value))
Decomposition temperature Decomposition temperature	:	No decomposition if stored and applied as directed.
pH	:	No data available
Viscosity Viscosity, dynamic	:	1.300 - 1.800 mPa.s (23 °C)
Viscosity, kinematic	:	> 21 mm ² /s (40 °C)
Solubility(ies) Water solubility Solubility in other solvents	:	insoluble No data available
Partition coefficient: n-octanol/water	:	log Pow: 2,64 - 3,78 (calculation method (principal components, highest value))
Vapour pressure	:	13,3 hPa (calculation method (principal components, highest value)) (1.732 °C)
Relative density	:	1,61 (calculation method (principal components, highest value))
Density	:	1,45 - 1,47 g/cm ³ (23 °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

No decomposition if stored and applied as directed.

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10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Components:

benzyl alcohol:

Acute inhalation toxicity : LC50 (Rat): 4.178 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal (Rabbit): 2000 milligram per kilogram

Skin corrosion/irritation

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

Bisphenol-F-epichlorhydrin-epoxy resin:

Result : irritating

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Serious eye damage/eye irritation

Product:

Remarks : May cause irreversible eye damage.

Components:

Bisphenol-F-epichlorhydrin-epoxy resin:

Result : Eye irritation

benzyl alcohol:

Result : Eye irritation

Respiratory or skin sensitisation

Product:

Remarks : Causes sensitisation.

Components:

Bisphenol-F-epichlorhydrin-epoxy resin:

Result : Probability or evidence of skin sensitisation in humans

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : 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.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

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Toxicity to fish : LC50 : 1,3 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : 2,1 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : LC50 : > 11 mg/l
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,3 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

bis-[4-(2,3-epoxipropoxy)phenyl]propane:

Toxicity to fish : LC50 (Fish): 2 mg/l

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Bisphenol-F-epichlorhydrin-epoxy resin:

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Components:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Biodegradability : Kinetic:
28 d: 5 %
Method: OECD Test Guideline 301F

12.3 Bioaccumulative potential

Components:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):

Partition coefficient: n-oc-tanol/water : log Pow: 2,64 - 3,78

bis-[4-(2,3-epoxipropoxy)phenyl]propane:

Partition coefficient: n-oc-tanol/water : log Pow: 3,242 (25 °C)

benzyl alcohol:

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Partition coefficient: n-oc-
tanol/water : log Pow: 1,1

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 Endocrine disrupting properties

Product:

Assessment : 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.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
Waste Code	:	08 01 11*, waste paint and varnish containing organic solvents or other hazardous substances

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SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	UN 3082
ADR	:	UN 3082
RID	:	UN 3082
IMDG	:	UN 3082
IATA	:	UN 3082

14.2 UN proper shipping name

ADN	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-, bis-[4-(2,3-epoxipropoxi)phenyl]propane)
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-, bis-[4-(2,3-epoxipropoxi)phenyl]propane)
RID	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-, bis-[4-(2,3-epoxipropoxi)phenyl]propane)
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-, bis-[4-(2,3-epoxipropoxi)phenyl]propane)
IATA	:	Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-, bis-[4-(2,3-epoxipropoxi)phenyl]propane)

14.3 Transport hazard class(es)

ADN	:	9
ADR	:	9
RID	:	9
IMDG	:	9
IATA	:	9

14.4 Packing group

ADN	:	
Packing group	:	III
Classification Code	:	M6
Hazard Identification Number	:	90

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Labels : 9

ADR

Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)

RID

Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

IMDG

Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

IATA (Passenger)

Packing instruction (passenger aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

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

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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	E2	ENVIRONMENTAL HAZARDS
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15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H302	:	Harmful if swallowed.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H411	:	Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
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
HR OEL	:	Croatia. Regulations on limit values for exposure to hazardous substances at work and on the biological limit values.
2004/37/EC / TWA	:	Long term exposure limit
HR OEL / GVI	:	time weighted average

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method

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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