

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



AT / EN

Agropox HS 285 Teil A weiß GR

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.08.2023	6023263	Date of first issue: 24.08.2023

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

1.1 Product identifier

Trade name : Agropox HS 285 Teil A weiß GR

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

Use of the Sub-
stance/Mixture : epoxide-resin-based coating material, solvent-containing

Recommended restrictions
on use : within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Avenarius-Agro GmbH
Industriestraße 51
4600 Wels

Telephone : +4372424890
Telefax : +437242489449

Website :
E-mail address Respon-
sible/issuing person : sdb@avenariusagro.at

1.4 Emergency telephone

Emergency telephone 1 : Vergiftungsinformationszentrale Österreich 01 406 43 43

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapor.

Skin irritation, Category 2 H315: Causes skin irritation.

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard, Cat-
egory 3 H412: Harmful to aquatic life with long lasting ef-
fects.

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2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:

bisphenol-F epoxy resin MW <700
Oxirane, 2-(chloromethyl)-, polymer with alpha-hydro-omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)]
reaction mass of: N,N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide; N,N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide)

Additional Labeling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.

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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

Chemical nature : High Solid epoxy thick coat

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
bisphenol-F epoxy resin MW <700	9003-36-5 500-006-8 01-2119454392-40	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	>= 20 - < 25
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 10 - < 20
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Asp. Tox. 1; H304 STOT RE 2; H373 Aquatic Chronic 3; H412	>= 2,5 - < 10
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	>= 1 - < 10
Oxirane, 2-(chloromethyl)-, polymer with alpha-hydro-omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)]	9072-62-2	Skin Sens. 1; H317	>= 1 - < 10
reaction mass of: N,N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxycyl)amino]ethyl]octadecanamide; N,N'-Ethane-1,2-	Not Assigned 430-050-2 616-127-00-5 01-2120789217-43	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 1 - < 2,5

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diylbis(12hydroxyoctadecanamide)			
ethylbenzene	100-41-4 202-849-4 601-023-00-4 01-2119489370-35	Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412 Flam. Liq. 2; H225	>= 1 - < 2,5
Substances with a workplace exposure limit :			
Quartz (SiO2)	14808-60-7 238-878-4 01-2120770509-45		>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice (show the label where possible).
Move out of dangerous area.
First aider needs to protect himself.
- If inhaled : Move to fresh air.

If symptoms persist, call a physician.

If unconscious, place in recovery position and seek medical advice.

If breathing is irregular or stopped, administer artificial respiration.

Call a physician.
- In case of skin contact : Do NOT use solvents or thinners.
In case of contact, immediately flush skin with soap and plenty of water.
Take off all contaminated clothing immediately.
- In case of eye contact : 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.
- If swallowed : Call a physician.
Clean mouth with water and drink afterwards plenty of water.

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If swallowed, DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.
May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Foam
Carbon dioxide (CO₂)

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
Hazardous decomposition products formed under fire conditions.

5.3 Advice for firefighters

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

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Standard procedure for chemical fires.
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 : Do not get in eyes, on skin, or on clothing.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Ensure adequate ventilation.
Remove all sources of ignition.

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6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.
, 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 : For personal protection see section 8.
Avoid exceeding the given occupational exposure limits (see section 8).
Provide sufficient air exchange and/or exhaust in work rooms.

The current technical information on www.avenariusagro.at must be observed.

Advice on protection against fire and explosion : The product is flammable but not readily ignited.

Hygiene measures : Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Specific use(s) : This information is not available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis	
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]	13463-67-7	MAK-TMW (Alveolar dust fraction)	5 mg/m ³	AT OEL	
		MAK-KZW (Alveolar dust fraction)	10 mg/m ³	AT OEL	
xylene	1330-20-7	TWA	50 ppm 221 mg/m ³	2000/39/EC	
		Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m ³	2000/39/EC	
		Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		MAK-TMW	50 ppm 221 mg/m ³	AT OEL	
		MAK-KZW	100 ppm 442 mg/m ³	AT OEL	
Quartz (SiO ₂)	14808-60-7	MAK-TMW (Alveolar dust fraction)	0,05 mg/m ³	AT OEL	
		TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC	
		Further information: Carcinogens or mutagens			
1-methoxy-2-propanol	107-98-2	STEL	150 ppm 568 mg/m ³	2000/39/EC	
		Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	100 ppm 375 mg/m ³	2000/39/EC	
		Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		MAK-TMW	50 ppm 187 mg/m ³	AT OEL	
		Further information: Risk of skin absorption			
		MAK-KZW	50 ppm 187 mg/m ³	AT OEL	
		Further information: Risk of skin absorption			

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ethylbenzene	100-41-4	TWA	100 ppm 442 mg/m ³	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		STEL	200 ppm 884 mg/m ³	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		MAK-KZW	200 ppm 880 mg/m ³	AT OEL
Further information: Risk of skin absorption				
		MAK-TMW	100 ppm 440 mg/m ³	AT OEL
Further information: Risk of skin absorption				

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	methyl hippuric acid: 1,5 g/l (Urine)	At the end of a work week / at the end of a work day / at the end of a shift	VGÜ2014
		xylene: 1 mg/l (Blood)	End of workday	VGÜ2014

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

Substance name	End Use	Routes of exposure	Potential health effects	Value
barium sulfate	Consumers	Inhalation	Long-term systemic effects	10,00 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	13000,00 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	10,00 mg/m ³
	Workers	Inhalation	Long-term local effects	10,00 mg/m ³
bisphenol-F epoxy resin MW <700	Consumers	Skin contact	Long-term systemic effects	62,50 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	6,25 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	8,70 mg/m ³
	Workers	Skin contact	Acute local effects	8,30 µg/cm ²
	Workers	Skin contact	Long-term systemic effects	104,15 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	29,39 mg/m ³
titanium dioxide; [in powder form containing 1 % or more of	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day

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particles with aerodynamic diameter ≤ 10 µm]				
	Workers	Inhalation	Long-term local effects	10,00 mg/m ³
xylene	Consumers	Inhalation	Acute local effects	174,00 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	108,00 mg/kg bw/day
	Consumers	Inhalation	Acute systemic effects	174,00 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	1,60 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	14,80 mg/m ³
	Workers	Inhalation	Acute systemic effects	289,00 mg/m ³
	Workers	Inhalation	Acute local effects	289,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	77,00 mg/m ³
	Workers	Skin contact	Long-term systemic effects	180,00 mg/kg bw/day
1-methoxy-2-propanol	Consumers	Inhalation	Long-term systemic effects	43,90 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	78,00 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	33,00 mg/kg bw/day
	Workers	Inhalation	Acute systemic effects	553,50 mg/m ³
	Workers	Inhalation	Acute local effects	553,50 mg/m ³
	Workers	Inhalation	Long-term systemic effects	369,00 mg/m ³
	Workers	Skin contact	Long-term systemic effects	183,00 mg/kg bw/day
ethylbenzene	Consumers	Ingestion	Long-term systemic effects	1,60 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	15,00 mg/m ³
	Workers	Inhalation	Acute systemic effects	884,00 mg/m ³
	Workers	Inhalation	Acute local effects	293,00 mg/m ³
	Workers	Inhalation	Acute local effects	884,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	77,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	442,00 mg/m ³
	Workers	Inhalation	Long-term local effects	442,00 mg/m ³

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	Workers	Skin contact	Long-term systemic effects	180,00 mg/kg bw/day
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Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
barium sulfate	Fresh water	115 µg/l
	Fresh water sediment	600,4 mg/kg dry weight (d.w.)
	Soil	207,7 mg/kg dry weight (d.w.)
	Sewage treatment plant	62,2 mg/l
bisphenol-F epoxy resin MW <700	Fresh water	0,003 mg/l
	Fresh water sediment	0,294 mg/kg dry weight (d.w.)
	Intermittent use/release	0,0254 mg/l
	Sea sediment	0,0294 mg/kg dry weight (d.w.)
	Sea water	0,0003 mg/l
	Sewage treatment plant	10 mg/l
	Soil	0,237 mg/kg dry weight (d.w.)
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l
xylene	Fresh water	0,327 mg/l
	Intermittent use/release	0,327 mg/l
	Soil	2,31 mg/kg dry weight (d.w.)
	Fresh water sediment	12,46 mg/kg dry weight (d.w.)
	Sewage treatment plant	6,58 mg/l
	Sea water	0,327 mg/l
	Sea sediment	12,46 mg/kg dry weight (d.w.)
1-methoxy-2-propanol	Fresh water sediment	52,3 mg/kg dry weight (d.w.)
	Intermittent use/release	100 mg/l

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	Fresh water	10 mg/l
	Sea water	1 mg/l
	Sewage treatment plant	100 mg/l
	Sea sediment	5,2 mg/kg dry weight (d.w.)
	Soil	4,59 mg/kg dry weight (d.w.)
ethylbenzene	Intermittent use/release	0,1 mg/l
	Sewage treatment plant	9,6 mg/l
	Fresh water	0,1 mg/l
	Sea water	0,01 mg/l
	Fresh water sediment	13,7 mg/kg dry weight (d.w.)
	Soil	2,68 mg/kg dry weight (d.w.)
	Sea sediment	1,37 mg/kg dry weight (d.w.)
	Secondary Poisoning	0,02 g/kg food
	Sea water	0,1 mg/l

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Goggles

Hand protection

Material : butyl-rubber
Glove thickness : 0,2 mm
Protective index : Class 3
Wearing time : 30 min

Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.

Skin and body protection : Safety shoes
Use appropriate degowning techniques to remove potentially contaminated clothing.
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.
Long sleeved clothing

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

Skin should be washed after contact.

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Remove and wash contaminated clothing before re-use.
During spray application: impervious clothing

Respiratory protection : During spray application: Do not breathe spray dust. Use
A2/P2 combination filter for paint spraying.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Color	: white
Odor	: No data available
Odor Threshold	: Not relevant
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Flash point	: 35 °C
Autoignition temperature	: not determined
Decomposition temperature	: Not applicable
pH	: 6,95 Concentration: 10 %
Viscosity	

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Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20,5 mm ² /s (40 °C)
Flow time	:	> 60 s at 23 °C Cross section: 6 mm Method: ISO 2431
Solubility(ies) Water solubility	:	partly miscible
Partition coefficient: n- octanol/water	:	not determined
Vapor pressure	:	not determined
Relative density	:	not determined
Density	:	1,9000 g/cm ³
Relative vapor density	:	Heavier than air.

9.2 Other information

Explosives	:	Not applicable
Oxidizing properties	:	Not applicable
Flammability (liquids)	:	Sustains combustion
Evaporation rate	:	Not applicable

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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.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapors may form explosive mixture with air.
Hazardous decomposition products formed under fire conditions.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Incompatible with acids.
Incompatible with oxidizing agents.

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

Not classified based on available information.

Product:

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

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

Components:

xylene:

Acute oral toxicity : LD50 (Rat): 4.300 mg/kg

Acute inhalation toxicity : LC50 (Rat): 27,5 mg/l
Exposure time: 4 h

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Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

ethylbenzene:

Acute oral toxicity : LD50 Oral (Rat): 3.500 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 17.800 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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.

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Further information

Product:

Remarks : Although the product only contains epoxy resins with high molecular weight, follow good industrial hygiene practice and avoid prolonged skin contact.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

xylene:

Partition coefficient: n-octanol/water : log Pow: ca. 3,155 (20 °C)
pH: 7

reaction mass of: N,N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide; N,N'-Ethane-1,2-diylbis(12hydroxyoctadecanamide):

Partition coefficient: n-octanol/water : log Pow: 5,4 (21 °C)

ethylbenzene:

Partition coefficient: n-octanol/water : Pow: 4.170 (20 °C)
log Pow: 3,6 (20 °C)
pH: 7,84

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.

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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 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local, regional, national and international authorities.

Uncured product residues and unpurified packaging should be disposed of as hazardous waste.
Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste.
Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product
080111*, waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information

14.1 UN number or ID number

ADN	: UN 1263
ADR	: UN 1263
RID	: UN 1263
IMDG	: UN 1263
IATA	: UN 1263

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14.2 UN proper shipping name

ADN	:	PAINT
ADR	:	PAINT
RID	:	PAINT
IMDG	:	PAINT
IATA	:	Paint

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 3	
ADR	: 3	
RID	: 3	
IMDG	: 3	
IATA	: 3	

14.4 Packing group

ADN	
Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
ADR	
Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
Tunnel restriction code	: (D/E)
RID	
Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
IMDG	
Packing group	: III
Labels	: 3
EmS Code	: F-E, <u>S-E</u>
IATA (Cargo)	
Packing instruction (cargo aircraft)	: 366
Packing instruction (LQ)	: Y344
Packing group	: III

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Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 liters, not goods/merchandise of Class 3
IMDG: Packages smaller than or equal to 450 liters, not goods/merchandise of Class 3

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 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 - 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

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be gener-

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- ated.
- 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
- REACH - List of substances subject to authorisation (Annex XIV) : None
- Fire Hazard Class : 3: flammable liquids of hazard category 3 (flammable)
- Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS
- Water hazard class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)
- . : RE70 Epoxy resin products, sensitising, containing solvents
- Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 10,38 %
- Volatile organic compounds : Directive 2004/42/EC
< 11 %
< 200 g/l

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

Full text of H-Statements

H225 : Highly flammable liquid and vapor.

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H226	: Flammable liquid and vapor.
H304	: May be fatal if swallowed and enters airways.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H351	: Suspected of causing cancer if inhaled.
H373	: May cause damage to organs through prolonged or repeated exposure.
H373	: May cause damage to organs through prolonged or repeated exposure if inhaled.
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 Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Carc.	: Carcinogenicity
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitization
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
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
AT OEL	: Austria. Limit values regulation - Annex I: Substance list
VGÜ2014	: Austria. Regulation on health surveillance in the workplace 2014
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
2004/37/EC / TWA	: Long term exposure limit
AT OEL / MAK-TMW	: Time Weighted Average
AT OEL / MAK-KZW	: Short Term Exposure Limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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; KECl - 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

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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; TECL - Thailand Existing Chemicals 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

Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to compile the Material Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

Classification of the mixture:

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Skin Sens. 1	H317
Aquatic Chronic 3	H412

Classification procedure:

Based on product data or assessment
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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REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our up-stream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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