

SAFETY DATA SHEET

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



AT / EN

Agropur Hydro 300/330 Teil A

| | | | |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 24.08.2023 | 6030275 | 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 : Agropur Hydro 300/330 Teil A

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

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

Recommended restrictions : within adequate application - none
on use

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)

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.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

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Hazard pictograms :



Signal Word : Warning

Hazard Statements : H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**

P261 Avoid breathing mist or vapors.
P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous ingredients which must be listed on the label:

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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.

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.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | 13463-67-7 236-675-5 022-006-00-2 01-2119489379-17 | Carc. 2; H351 | \geq 20 - < 30 |
| 2-dimethylaminoethanol | 108-01-0 203-542-8 603-047-00-0 01-2119492298-24 | Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 4; H312 Skin Corr. 1B; H314 STOT SE 3; H335 (Respiratory system) specific concentration limit STOT SE 3; H335 \geq 5 % | \geq 0,1 - < 1 |
| Polymer with quaternized ammonium groups | 1431957-88-8 | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | \geq 0,25 - < 1 |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 1065336-91-5 915-687-0 01-2119491304-40 | Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Repr. 2; H361f | \geq 0,25 - < 1 |
| propylidynetrimethanol | 77-99-6 201-074-9 01-2119486799-10 | Repr. 2; H361fd | \geq 0,1 - < 1 |
| Substances with a workplace exposure limit : | | | |
| Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$) | 14807-96-6 238-877-9 01-2120140278-58 | | \geq 1 - < 10 |

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Show this material safety data sheet to the doctor in attendance.
When symptoms persist or in all cases of doubt seek medical advice.
Move out of dangerous area.
First aider needs to protect himself.
Never give anything by mouth to an unconscious person.
- If inhaled : Call a physician.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
Move to fresh air.
- 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 eye irritation persists: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
If accidentally swallowed obtain immediate medical attention.
If swallowed, DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : 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.

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Foam
Carbon dioxide (CO₂)
Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media : Water

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray. In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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.
Evacuate personnel to safe areas.
Ensure adequate ventilation.
Remove all sources of ignition.

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 : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

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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.
Contains isocyanates. Please, attend to producer's advice.
Liquid product may irritate and sensitize skin and respiratory tract and may cause allergic reaction. Do not inhale vapours.
Take care for sufficient fresh air supply during and after use.
Product must not be sprayed. Allergics or persons tending to respiratory tract diseases must not be involved in operations with this product.
- The current technical information on www.avenariusagro.at must be observed.
- Advice on protection against fire and explosion : Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Hygiene measures : Keep working clothes separately. Remove and wash contaminated clothing before re-use. 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 |
| Talc (Mg ₃ H ₂ (SiO ₃) ₄) | 14807-96-6 | MAK-TMW (alveolate part) | 2 mg/m ³ | AT OEL |

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

| Substance name | End Use | Routes of exposure | Potential health effects | Value |
|-------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|----------------------------|---------------------------------|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] | Consumers | Ingestion | Long-term systemic effects | 700,00 mg/kg bw/day |
| | Workers | Inhalation | Long-term local effects | 10,00 mg/m ³ |
| 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 |
| 2-dimethylaminoethanol | Workers | Inhalation | Acute systemic effects | 22,00 mg/m ³ |
| | Workers | Inhalation | Acute local effects | 22,00 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 7,40 mg/m ³ |
| | Workers | Inhalation | Long-term local effects | 7,40 mg/m ³ |
| | Workers | Skin contact | Acute systemic effects | 5,00 mg/kg bw/day |
| | Workers | Skin contact | Acute local effects | 80,00 $\mu\text{g}/\text{cm}^2$ |
| | Workers | Skin contact | Long-term systemic | 1,04 mg/kg |

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| | | | effects | bw/day |
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| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Consumers | Inhalation | Acute local effects | 0,58 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 1,25 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 0,58 mg/m ³ |
| | Consumers | Inhalation | Acute systemic effects | 0,58 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 1,25 mg/kg bw/day |
| | Consumers | Skin contact | Acute systemic effects | 1,25 mg/kg bw/day |
| | Consumers | Ingestion | Acute systemic effects | 1,25 mg/kg bw/day |
| | Workers | Inhalation | Acute systemic effects | 2,35 mg/m ³ |
| | Workers | Inhalation | Acute local effects | 2,35 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 2,35 mg/m ³ |
| | Workers | Skin contact | Acute systemic effects | 2,50 mg/kg bw/day |
| | Workers | Skin contact | Long-term systemic effects | 2,50 mg/kg bw/day |
| propylidynetrimethanol | Consumers | Skin contact | Acute systemic effects | 83,30 mg/kg bw/day |
| | Consumers | Ingestion | Long-term systemic effects | 1,68 mg/kg bw/day |
| | Consumers | Inhalation | Acute systemic effects | 925,00 mg/m ³ |
| | Consumers | Ingestion | Acute systemic effects | 50,00 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 5,03 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 1,68 mg/kg bw/day |
| | Workers | Inhalation | Acute systemic effects | 3037,30 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 19,54 mg/m ³ |
| | Workers | Skin contact | Acute systemic effects | 138,80 mg/kg bw/day |
| | Workers | Skin contact | Long-term systemic | 2,79 mg/kg |

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| | | | |
|--|--|---------|--------|
| | | effects | bw/day |
|--|--|---------|--------|

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

| Substance name | Environmental Compartment | Value |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 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.) |
| barium sulfate | Sea sediment | 100 mg/kg dry weight (d.w.) |
| | Intermittent use/release | 0,193 mg/l |
| | Fresh water | 115 $\mu\text{g/l}$ |
| 2-dimethylaminoethanol | 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 |
| | Sea water | 0,00661 mg/l |
| | Fresh water sediment | 0,0529 mg/kg dry weight (d.w.) |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Intermittent use/release | 0,0661 mg/l |
| | Soil | 0,0177 mg/kg dry weight (d.w.) |
| | Fresh water | 0,0661 mg/l |
| | Sea water | 0,00022 mg/l |
| | Soil | 0,21 mg/kg dry weight (d.w.) |
| propylidynetrimethanol | Fresh water | 0,0022 mg/l |
| | Sewage treatment plant | 1 mg/l |
| | Fresh water sediment | 1,05 mg/kg dry weight (d.w.) |
| | Intermittent use/release | 0,009 mg/l |
| | Sea sediment | 0,11 mg/kg dry weight (d.w.) |
| | Fresh water | 1 mg/l |
| | Sewage treatment plant | 100 mg/l |
| | Sea sediment | 0,351 mg/kg dry weight (d.w.) |

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| | | |
|--|--------------------------|-------------------------------|
| | Sea water | 0,1 mg/l |
| | Soil | 0,241 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 3,505 mg/kg dry weight (d.w.) |
| | Intermittent use/release | 10 mg/l |

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Goggles

Hand protection

Material : butyl-rubber
Glove thickness : 0,3 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
Long sleeved clothing
Remove and wash contaminated clothing before re-use.
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

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

Skin should be washed after contact.

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 Threshold : Not relevant

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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 : Not applicable

Autoignition temperature : not determined

Decomposition temperature : Not applicable

pH : 7

Solubility(ies)
Water solubility : partly miscible

Partition coefficient: n-octanol/water : not determined

Vapor pressure : not determined

Relative density : not determined

Density : 1,3900 g/cm³

Relative vapor density : Heavier than air.

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9.2 Other information

Explosives : Not applicable

Oxidizing properties : Not applicable

Flammability (liquids) : Sustains combustion

Evaporation rate : Not applicable

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 : Amines and alcohols cause exothermic reactions.
Mixture reacts slowly with water resulting in evolution of CO₂.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid : Amines
Incompatible with oxidizing agents.
Incompatible with acids and bases.

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

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Exposure time: 4 h
Test atmosphere: vapor
Method: Calculation method

Components:

2-dimethylaminoethanol:

Acute oral toxicity : LD50 (Rat): 1.183 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 6,1 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 1.219 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Not classified based on available information.

Components:

2-dimethylaminoethanol:

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

Serious eye damage/eye irritation

Not classified based on available information.

Components:

2-dimethylaminoethanol:

Species : Rabbit
Assessment : Risk of serious damage to eyes.
Method : OECD Test Guideline 405
Result : Irreversible effects on the eye

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

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Components:

2-dimethylaminoethanol:

| | |
|--------------------|--------------------------------------|
| Test Type | : Buehler Test |
| Routes of exposure | : Dermal |
| Species | : Guinea pig |
| Assessment | : Does not cause skin sensitization. |
| Method | : OECD Test Guideline 406 |
| Result | : Does not cause skin sensitization. |

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.

Components:

2-dimethylaminoethanol:

| | |
|--------------------|-------------------------------------|
| Routes of exposure | : Inhalation |
| Target Organs | : Upper respiratory tract |
| Assessment | : May cause respiratory irritation. |

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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SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

Partition coefficient: n- : log Pow: 2,37 - 2,77 (25 °C)
octanol/water pH: 7,0

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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- 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.
Waste should not be disposed of via wastewater.
- Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste.
- 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** : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

- ADN** : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

- ADN** : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

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14.4 Packing group

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport 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 generated.

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 : Exempt

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Water hazard class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 2,97 %

Volatile organic compounds : Directive 2004/42/EC
< 3 %
< 50 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

H226 : Flammable liquid and vapor.
H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H317 : May cause an allergic skin reaction.
H331 : Toxic if inhaled.
H335 : May cause respiratory irritation.
H351 : Suspected of causing cancer if inhaled.
H361f : Suspected of damaging fertility.
H361fd : Suspected of damaging fertility. Suspected of damaging the unborn child.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

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| | |
|------------------|--------------------------------------------------------------|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Carc. | : Carcinogenicity |
| Flam. Liq. | : Flammable liquids |
| Repr. | : Reproductive toxicity |
| Skin Corr. | : Skin corrosion |
| Skin Sens. | : Skin sensitization |
| STOT SE | : Specific target organ toxicity - single exposure |
| AT OEL | : Austria. Limit values regulation - Annex I: Substance list |
| 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 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

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Classification of the mixture:

| | |
|-------------------|------|
| Skin Sens. 1 | H317 |
| Aquatic Chronic 3 | H412 |

Classification procedure:

| |
|--------------------|
| 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.

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 upstream-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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