

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006 (and 2020/878)

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

1.1 Product identifier:

HyDra Bitumen Coating

UFI: Not relevant

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

Waterbased bitumen coating.

1.3 Details of the supplier of the safety data sheet:

HauCon A/S

Lægårdsvej 30 T: +45 – 8622 9393

DK-8520 Lystrup

Denmark

Responsible person for the safety data sheet (e-mail): sds@haucon.dk

1.4 Emergency telephone number:

DK: + 45 82 12 12 12 (24 hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

CLP (1272/2008): No classification.

2.2 Label elements:

EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

2.3 Other hazards: None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria set out in Regulation 2023/707.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

| % w/w | Substance | CAS-no. | EF-no. | Index-no. | REACH reg.no. | Classification |
|------------------|-----------|-----------|-----------|--------------|---------------|--|
| 0,025- <0,036 | BIT** | 2634-33-5 | 220-120-9 | 613-088-00-6 | - | Acute Tox. 4;H302 Acute Tox. 2;H330 Skin Irrit. 2;H315 Eye Dam. 1;H318 Skin Sens. 1A;H317 Aquatic Acute 1;H400 (M=1) Aquatic Chronic 1;H410 (M=1) |

** BIT = 1,2-benzisothiazol-3(2H)-one

SCL: Skin Sens. 1A;H317: C ≥ 0,036 %; ATE (Oral) = 450 mg/kg; ATE (Inhalation) = 0,21 mg/l

Wording of hazard statements - see section 16

SECTION 4: First-aid measures

4.1 Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.

Skin contact: Remove contaminated clothing. Flush and wash skin with water. If any skin irritation: Seek medical advice.

Eye contact: Immediately flush with water or physiological salt water for at least 5 minutes, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical attention; continue to flush on the way.

Ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. In case of discomfort: Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:

May cause allergic skin reaction. Vapours may cause headache and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed:

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Not flammable.

5.2 Special hazards arising from the substance or mixture:

Not relevant (the product is not combustible).

5.3 Advice for firefighters:

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use gloves of rubber when spill is wiped up – see section 8. Provide efficient ventilation. Avoid further spreading.

6.2 Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up:

Absorb spilled liquid with inert material and place in a suitable container for disposal. Flush area of spill with plenty of water. Further handling of spillage - see section 13.

6.4 Reference to other sections:

See references above.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Avoid breathing vapours/particles. Avoid contact with skin, eyes and clothing. Wash contaminated skin with water and mild soap.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-closed original container at temperatures between 5-30 °C.

7.3 Specific end use(s):

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

Occupational exposure limits (EH40/2020): None.

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: Normally not necessary. In case of inadequate ventilated working areas, use an approved mask (EN 140) with a gas/particle filter: A/P2. The filter has a limited lifetime and must be changed. Read the instruction.

Skin: Wear protective gloves (EN 374) of e.g. nitrile by prolonged contact (Thickness > 0.3 mm).

Breakthrough time: Maximum 8 hours.

Eyes: Tightly fitting safety goggles (EN ISO 16321) when there is risk of eye contact.

Environmental exposure controls: None in particular.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|--|-----------------------|
| Physical state: | Liquid (paste) |
| Colour: | Black |
| Odour: | Characteristic |
| Melting point/freezing point (°C): | ~ 0 |
| Boiling point or initial boiling point and boiling range (°C): | ~ 100 |
| Lower and upper explosion limit (vol-%): | Not determined |
| Flash point (°C): | > 100 (CC) |
| Auto-ignition temperature (°C): | Not relevant |
| Decomposition temperature (°C): | Not determined |
| pH: | 10.70 |
| Kinematic viscosity (40 °C) mm ² /sek.: | >20.5 |
| Solubility: | Dispersible in water |
| Partition coefficient n-octanol/water (log value): | Not determined |
| Vapour pressure (kPa, 20 °C): | 2.34 |
| Density and/or relative density (23 °C) g/cm ³ : | 1.00 |
| Relative vapour density (air=1, 20 °C): | 0.017 |
| Particle characteristics: | Not relevant - liquid |

9.2. Other information:

None relevant

SECTION 10: Stability and reactivity

10.1 Reactivity:

None known.

10.2 Chemical stability:

Stable under normal conditions – see section 7. Not combustible.

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Avoid freezing and excessive heating.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

In case of extensive heating, the mixture may form hazardous decomposition product.

SECTION 11: Toxicological information (continued)

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

| | |
|------------------------------------|---|
| Acute toxicity: | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation: | Based on available data, the classification criteria are not met. |
| Serious eye damage/irritation: | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization: | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity: | Based on available data, the classification criteria are not met. |
| Carcinogenicity: | Based on available data, the classification criteria are not met. |
| Reproductive toxicity: | Based on available data, the classification criteria are not met. |
| STOT-single exposure: | Based on available data, the classification criteria are not met. |
| STOT-repeated exposure: | Based on available data, the classification criteria are not met. |
| Aspiration hazard: | Based on available data, the classification criteria are not met. |

| Hazard class | Data | Test | Data source |
|-----------------------|--|--------------|-------------|
| Acute toxicity: | | | |
| Inhalation | LC ₅₀ (rat) = 0,21 mg/l/4H (BIT) | OECD 403 | IUCLID |
| Dermal | LD ₅₀ (rat) > 2000 mg/kg (BIT) | OECD 402 | IUCLID |
| Oral | LD ₅₀ (rat) = 450 mg/kg (BIT) | OECD 401 | ECHA |
| Corrosion/irritation: | Serious eye irritation and skin irritation (BIT) | OECD 404/405 | IUCLID |
| Sensitization: | Skin sensitization, guinea pig (BIT) | OECD 406 | IUCLID |
| CMR: | No available/relevant data. | - | - |

Information on likely routes of exposure: Inhalation, skin and ingestion.

Symptoms:

Inhalation: Mist/particles may irritate the respiratory tract.

Skin: May cause irritation in contact with skin. Degreases skin.

Eyes: Causes slight irritation with redness.

Ingestion: Cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

Chronic effects: Repeated exposure may cause skin dryness or cracking. Skin contact may cause allergic reaction.

11.2. Information on other hazards:

None known.

SECTION 12: Ecological information

12.1 Toxicity:

BIT is very toxic in the aquatic environment.

| Aquatic | Data | Test (Media) | Reference |
|------------|---|----------------------------------|------------------|
| Fish | LC ₅₀ (Oncorhynchus mykiss, 96h) = 0.8 mg/l (BIT) NOEC (Oncorhynchus mykiss, 30d) = 0.21 mg/l (BIT) | No information OECD 215 | IUCLID ECHA |
| Crustacean | EC ₅₀ (Daphnia magna, 48h) = 1.5 mg/l (BIT) NOEC (Daphnia magna, 21d) = 1.21 mg/l (BIT) | No information No information | IUCLID IUCLID |
| Algae | EC ₅₀ (P. subcapitata, 72h) = 0.11 mg/l (BIT) | OECD 201 | Not known |

12.2 Persistence and degradability:

BIT is readily biodegradable (OECD 301A).

12.3 Bioaccumulative potential:

BIT: Log K_{ow} = 0.7 (model data) & BCF = 6.62 (OECD 305) – No bioaccumulation is expected.

12.4 Mobility in soil:

BIT: K_{oc} < 50 – Very large mobility expected in soil.

SECTION 12: Ecological information (continued)

12.5 Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria set out in Regulation 2023/707.

12.6. Endocrine disrupting properties:

None known.

12.7. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

The mixture is not to be considered as hazardous waste. Disposal should be according to local, state or national legislation.

EWC-code:

08 04 14 (mixture itself) and 15 02 03 (Paper towel, inert material etc. contaminated with the mixture)

SECTION 14: Transport information

Not dangerous goods (ADR/RID/IMDG/IATA).

14.1. UN number or ID number: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: No.

14.6. Special precautions for user: None.

14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

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

Danish 1993-code number: 00-1

15.2. Chemical Safety Assessment:

No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H330: Fatal if inhaled.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

EUH208: Contains ... May produce an allergic reaction.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

EPA Ecotox = The US Environmental Protection Agency's database on ecotoxicological effects for chemicals.

IUCLID = International Uniform Chemical Information Database.

RAC = Risk Assessment Committee

ECHA diss. (REACH registered substances)

RTECS = Register of Toxic Effects of Chemical Substances.

SECTION 16: Other information (continued)

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant – first version

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