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 Sam Primer, 5 ltr.
UFI: Not relevant
1.2 Relevant identified uses of the substance or mixture and uses advised against:
Primer to improve the adhesive properties of HyDra Bitumen in membranes.
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 and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). 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
>0.00015-<0.0015	CMIT/MIT*	26172-55-4 2682-20-4 55965-84-9	247-500-7 220-239-6 mixture	- - 613-167-00-5	- - -	Acute Tox. 2;H310+H330 Acute Tox. 3;H301 Skin Sens. 1A;H317 Skin Corr. 1;H314 Eye Dam. 1;H318 Aquatic Acute 1:H400 (M=100) Aquatic Chronic 1;H410 (M=100) EUH071
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)

* CMIT/MIT = reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)
SCL: Skin Sens. 1A;H317: C ≥ 0,0015%; Skin Corr. 1C;H314: C ≥ 0,6; Eye Dam. 1;H318: C ≥ 0,6; Eye Irrit. 2;H319: 0,06% < C < 0,6%; Skin Irrit. 2;H315: 0,06% < C < 0,6% ATE (Inhalation) = 0,5 mg/l/4H; ATE (Dermal) = 50 mg/kg; ATE (Oral) = 53 mg/kg.

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

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, UK (EH40/2020): None

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: 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 374-3) of e.g. nitrile by prolonged contact (Thickness > 0.3 mm). Breakthrough time: Maximum 8 hours.

Eyes: Tightly fitting safety goggles (EN ISO 16321-1) 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
Colour:	White
Odour:	Characteristic
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	~ 100
Lower and upper explosion limit (vol-%):	Not determined
Flash point (°C):	> 100
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not determined
pH:	8.40
Kinematic viscosity (23 °C) mPa.s:	15000
Solubility:	Dispersible in water; insoluble in oil
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density (23°C) g/cm^3:	1.10
Relative vapour density:	Not determined
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
	LC_{50} (rat) > 0,5 mg/l/4H (ångor) (CMIT/MIT)	No information	EC Biocide
Dermal	LD_{50} (rat) > 2000 mg/kg (BIT)	OECD 402	IUCLID
	LD_{50} (rabbit) = 50 mg/kg (CMIT/MIT)	OECD 402	RAC
Oral	LD_{50} (rat) = 450 mg/kg (BIT)	OECD 401	ECHA
	LD_{50} (rat) = 53 mg/kg (CMIT/MIT)	No information	EC Biocide
Corrosion/irritation:	Serious eye irritation and skin irritation (BIT)	OECD 404/405	IUCLID
	Corrosive, skin, rabbit (CMIT/MIT)	OECD 404	EC Biocide
Sensitization:	Skin sensitization, guinea pig (BIT)	OECD 406	IUCLID
	Skin sensitization, guinea pig (CMIT/MIT)	Buehler	EC Biocide
CMR:	No available/relevant data.	-	-

SECTION 11: Toxicological information (continued)

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 and CMIT/MIT are very toxic in the aquatic environment.

Aquatic	Data	Test (Media)	Reference
Fish	LC_{50} (Oncorhynchus mykiss, 96h) = 0.8 mg/l (BIT)	No information	IUCLID
	NOEC (Oncorhynchus mykiss, 30d) = 0.21 mg/l (BIT)	OECD 215	ECHA
	LC_{50} (Salmo gairdneri, 96 h.) = 0.19 mg/l (CMIT/MIT)	No information	EC Biocide
Crustacean	EC_{50} (Daphnia magna, 48h) = 1.5 mg/l (BIT)	No information	IUCLID
	NOEC (Daphnia magna, 21d) = 1.21 mg/l (BIT)	No information	IUCLID
	EC_{50} (Crassostrea virginica, 48 h.) = 0.028 mg/l (CMIT/MIT)	No information	EC Biocide
Algae	EC_{50} (P. subcapitata, 72h) = 0.11 mg/l (BIT)	OECD 201	Not known
	EC_{50} (Selenastrum capricornutum, 72 h.) = 0.018 mg/l (CMIT/MIT)	No information	EC Biocide

12.2 Persistence and degradability:
BIT is readily biodegradable (OECD 301A).
CMIT/MIT is not readily biodegradable.

12.3 Bioaccumulative potential:
BIT: Log K_{ow} = 0.7 (model data) & BCF = 6.62 (OECD 305) – No bioaccumulation is expected.
CMIT/MIT: Log K_{ow} > 5 (model data) - Bioaccumulation is expected.

12.4 Mobility in soil:
BIT: K_{oc} < 50 – Very large mobility expected in soil.
CMIT/MIT: K_{oc} < 50 (OECD 121) – Very large mobility expected in soil.

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:
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
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.
EUH071: Corrosive to the respiratory tract.
Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC_{50} = Effect Concentration 50 %
FW = Fresh Water
LC_{50} = Lethal Concentration 50 %
LD_{50} = 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.
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:
Section 1,2,3,4,8,9,11,12,16 (new composition)

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