

SAFETY DATA SHEET

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier:**

HyDra Sam Primer

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) 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). 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 in REACH Annex XIII.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2017/2100 or Regulation 2018/605.

SECTION 3: Composition/information on ingredients**3.2 Mixtures:**

% w/w	Substance	CAS-no.	EF-no.	Index-no.	REACH reg.no.	Classification
5-<10	Ethane-1,2-diol	107-21-1	203-473-3	603-027-00-1	01-2119456816-28	Acute Tox. 4;H302 ATE (oral) = 500 mg/kg. STOT RE 2;H373
0,005- < 0,05	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. 1;H317 Aquatic Acute 1;H400 (M=1)
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 Corr. 1;H314 Eye Dam. 1;H318 Skin Sens. 1;H317 Aquatic Acute 1;H400 (M=100) Aquatic Chronic 1;H410 (M=100) EUH071

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

SCL: Skin Sens. 1;H317: C ≥ 0,05%, ATE (oral) = 1020 mg/kg

* CMIT/MIT = 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) 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%; Eye Irrit. 2;H319: 0,06% < C < 0,6%; Skin Irrit. 2;H315: 0,06% < C < 0,6%

ATE (inhalation) > 4,62 mg/l/4H, vapour; ATE (dermal) = 660 mg/kg; ATE (oral) = 457 mg/kg

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. Prolonged or frequent exposure to vapours of volatile organic compounds may result in damage on liver, kidneys, blood or central nervous system (including brain damage).

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 (EH40/2005):	8-hr long term exp.	15 min. short term exp.	Comments
Ethane-1,2-diol (particulate)	10 mg.m ⁻³	-	Sk
Ethane-1,2-diol (vapour)	20 ppm / 52 mg.m ⁻³	40 ppm / 104 mg.m ⁻³	Sk

DNEL:	Exposure	Value	Population	Effects
Ethane-1,2-diol	Longterm, inhalation	35 mg/m ³	Worker	Local
	Longterm, dermal	106 mg/kg/d	Worker	Systemic/Local
	Longterm, inhalation	7 mg/m ³	Consumer	Local
	Longterm, dermal	53 mg/kg/d	Consumer	Systemic
PNEC:	Medium	Value		
Ethane-1,2-diol	Fresh water	10 mg/l		
	Sea water	1 mg/l		
	Intermittent release	10 mg/l		
	Fresh water sediment	37 mg/kg		
	Sea water sediment	3.7 mg/kg		
	Sewage treatment plant	199.5 mg/l		
	Soil	1.53 mg/kg		

SECTION 8: Exposure controls/personal protection (continued)

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 (EN374-3) of e.g. nitrile by prolonged contact.

Breakthrough time: Not known – change gloves frequently.

Eyes: Tightly fitting safety goggles (EN 166) 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:	Weak
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	100
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	Not determined
Flash point (°C):	> 100
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not determined
pH:	8.4
Kinematic viscosity (23°C) mPa.s:	1000-2000
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density (23°C) g/cm ³ :	1.1
Relative vapour density:	Not determined
Particle characteristics:	Not determined
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

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.

SECTION 11: Toxicological information (continued)

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	LC ₅₀ (rat) > 200 mg/m ³ /4H (CAS 107-21-1)	No information	RTECS
	LC ₅₀ (rat) = >4 mg/l/4h (vapours) (BIT)	No information	IUCLID
	LC ₅₀ (rat) > 4,62 mg/l/4H (dampe) (CMIT/MIT)	No information	EC Biocide
Dermal	LD ₅₀ (rabbit) = 9530 mg/kg (CAS 107-21-1)	No information	Supplier
	LD ₅₀ (rat) = >2000 mg/kg (BIT)	OECD 402	IUCLID
	LD ₅₀ (rabbit) = 660 mg/kg (CMIT/MIT)	No information	EC Biocide
Oral	LD ₅₀ (rat) = 7712 mg/kg (CAS 107-21-1)	No information	ECHA
	LD _{L0} (human) = 1600 mg/kg (CAS 107-21-1)	No information	Supplier
	LD ₅₀ (rat) = 1020 mg/kg (BIT)	No information	IUCLID
	LD ₅₀ (rat) = 457 mg/kg (CMIT/MIT)	No information	EC Biocide
Corrosion/irritation:	No skin irritation, rabbit (CAS 107-21-1)	No information	Supplier
	No eye irritation, rabbit (CAS 107-21-1)	No information	Supplier
	Skin irritant/Serious eye irritation, rabbit (BIT)	Draize/OECD 405	IUCLID
	Skin corrosion, rabbit (CMIT/MIT)	OECD 404	EC Biocide
Sensitization:	No sensibilisation, skin, guinea pig (CAS 107-21-1)	Patch test etc.	ECHA
	No available data for respiratory sensitization (CAS 107-21-1)	No information	ECHA
	Sensitization, skin, guinea pigs (BIT and CMIT/MIT)	OECD 406	IUCLID
STOT RE	NOAEL (rat, 12 mo.) = 150 mg/kg/d (CAS 107-21-1)	OECD 452	ECHA
CMR:	No mutagenic effect, rat (CAS 107-21-1)	OECD 471	ECHA
	No reproductive- or foetus toxicity (CAS 107-21-1)	-	-
	No carcinogenic effect, rodents, dermal & oral (CAS 107-21-1)	No information	IUCLID

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: Prolonged or frequent exposure to vapours of volatile organic compounds may result in damage on liver, kidneys, blood or central nervous system (including brain damage). Repeated exposure may cause skin dryness or cracking. Skin contact may cause allergic reaction (isothiazolinones).

11.2. Information on other hazards:

None known.

SECTION 12: Ecological information**12.1 Toxicity:**

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.

12.5 Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

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.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H411: 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

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.

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:

Not relevant.