

Safety Data Sheet

Hard Head Clear Varnish 2-comp. A

Replaces date: 19/05/2020

Revision date: 24/08/2020

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

1.1. Product identifier

Trade name: Hard Head Clear Varnish 2-comp. A

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

Recommended uses: Paint two component system Epoxy.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Jula AB
Address: Box 363
Zip code: 532 24
City: Skara
Country: SWEDEN
E-mail: info@jula.se, info@jula.no, info@jula.pl, chem@jula.com
Phone: +46(0)511-24600
Homepage: www.jula.com

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Chronic 2;H411

Most serious harmful effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700); Bisphenol F-Epichlorohydrin, reaction product. ; oxirane, mono[(C12-14-alkyloxy)methyl] derivs; 2,4,7,9-tetramethyldec-5-yne-4,7-diol; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1);

H-phrases

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

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P-phrases

P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P501	Dispose of contents/container in accordance with local regulations.

Supplemental information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

VOC: This product contains a maximum of 140 g VOC/L. The limit value is 140 g VOC/L (cat. A/j)

2.3. Other hazards

Contains biocidal products: C(M)IT/MIT (3:1) May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6 500-033-5 01-2119456619-26	30 - 50%		Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Chronic 2;H411
Bisphenol F-Epichlorohydrin, reaction product.	9003-36-5 500-006-8 01-2119454392-40	15 - 25%		Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411
oxirane, mono[(C12-14-alkyloxy)methyl] derivs	68609-97-2 271-846-8 01-2119485289-22	5 - 15%		Skin Irrit. 2;H315 Skin Sens. 1;H317
ethanediol, ethylene glycol	107-21-1 203-473-3 01-2119456816-28	< 3%		Acute Tox. 4;H302 STOT RE 2;H373
2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3 204-809-1 01-2119954390-39	< 0.5%		Skin Sens. 1;H317 Eye Dam. 1;H318 Aquatic Chronic 3;H412
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 611-341-5 01-2120764691-48	< 0.0015%		Acute Tox. 3;H301 Acute Tox. 2;H310 Skin Corr. 1B;H314 Skin Sens. 1A;H317 Eye Dam. 1;H318 Acute Tox. 2;H330 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 C ≥ 0.0015%: Skin Sens. 1A;H317 M (acute): 100 M (chronic): 100

Please see section 16 for the full text of H- / EUH-phrases..

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Seek medical advice in case of discomfort.

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- Skin contact:** Immediately remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
- Eye contact:** Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
- General:** When obtaining medical advice, show the safety data sheet or label.

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

Irritating to skin - may cause reddening. May cause eye irritation. May cause an allergic skin reaction.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Not flammable, but combustible.

5.3. Advice for firefighters

Wear respiratory protective equipment. Send contaminated extinguishing water for destruction. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary personnel away. Wear suitable protective clothing. Wear safety goggles if there is a risk of eye splash.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

When mixing two components, consult the safety data sheets for both components.
Do not eat, drink or smoke during work. Wash hands before breaks, before using restroom facilities, and at the end of work.

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7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated area. Store frost-free. Keep in tightly closed original packaging. Store safely and keep out of reach of children.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm3	Comments	Remarks
ethanediol, ethylene glycol	15m	40	104			Sk
ethanediol, ethylene glycol	8h	20	52			Sk

Sk = Can be absorbed through the skin.

PNEC

Bisphenol F-Epichlorohydrin, reaction product. , cas-no 9003-36-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC STP (wastewater-treatment facilities)	10 mg/l			
PNEC sediment (freshwater)	0,294 mg/kg bw/day			
PNEC sediment (marine water)	0,0294 mg/kg bw/day			
PNEC aqua (freshwater)	0,003 mg/l			
PNEC aqua (marine water)	0,0003 mg/l			
PNEC soil	0,237 mg/kg bw/day			
PNEC aqua (intermittent releases)	0,0254 mg/l			

DNEL - workers

Bisphenol F-Epichlorohydrin, reaction product. , cas-no 9003-36-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (acute/short-term exposure - local effects)	8,3 µg/cm ²				
Dermal DNEL (long-term exposure - systemic effects)	104,15 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	29,39 mg/kg bw/day				

8.2. Exposure controls

Appropriate engineering controls:

Avoid contact with skin and eyes. Running water and eye wash equipment should be available.
Provide good ventilation. Wash hands before breaks, before using restroom facilities, and at the end of work.

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Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, hand protection: In the event of direct skin contact, wear protective gloves: Type of material: Neoprene rubber/ Nitrile rubber.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	White
Odour	Characteristic Epoxy odour.
Solubility	Miscible with the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	~ 0 °C	Water
Initial boiling point and boiling range	~ 100 °C	Water
Flammability (solid, gas)		Not applicable. Water
Flammability limits		Not applicable.
Explosion limits		Not applicable.
Flash Point	> 150 °C	
Auto-ignition temperature		Not applicable.
Decomposition temperature	No data	
pH (solution for use)	8 - 9	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	1000 - 1100 kg/m ³	
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Evaporation rate		Not applicable.
Explosive properties		Non-explosive
Oxidising properties		Non-oxidising.

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SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Store frost-free.

10.5. Incompatible materials

Strong acids/ Strong alkalis/ Oxidisers.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

Other Information: Hardening time: 5-7 days depending on floor temperature. (NOTE! Lowest floor temperature +10°C). Shelf life: approximately 24 months.

SECTION 11: Toxicological information

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

Acute toxicity - oral:	Based on existing data, the classification criteria are deemed not to have been met. If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract.
Acute toxicity - dermal:	Based on existing data, the classification criteria are deemed not to have been met.
Acute toxicity - inhalation:	Based on existing data, the classification criteria are deemed not to have been met.
Skin corrosion/irritation:	Irritating to skin - may cause reddening.
Serious eye damage/eye irritation:	May cause eye irritation.
Respiratory sensitisation or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Based on existing data, the classification criteria are deemed not to have been met.
Carcinogenic properties:	Based on existing data, the classification criteria are deemed not to have been met.
Reproductive toxicity:	Based on existing data, the classification criteria are deemed not to have been met.
Single STOT exposure:	Based on existing data, the classification criteria are deemed not to have been met.
Repeated STOT exposure:	Based on existing data, the classification criteria are deemed not to have been met.
Aspiration hazard:	Based on existing data, the classification criteria are deemed not to have been met.

11.2. Information on other hazards

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SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Not readily degradable.

12.3. Bioaccumulative potential

The product is potentially bioaccumulative.

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Mix with the hardener so that the product hardens. Hardened product is non-hazardous waste according to waste regulations. Contact the local authorities for instructions on handling. Use the below code for waste registration.

Category of waste: EWC code: Depends on line of business and use, for instance 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances 08 01 12 waste paint and varnish other than those mentioned in 08 01 11 08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Hazard identification number:	90	Tunnel restriction code:	-

Inland water ways transport (ADN)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
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14.2. UN proper shipping name:

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

14.5. Environmental hazards:

The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

14.3. Transport hazard class(es):

9

Hazard label(s):

9

Transport in tank vessels:

Sea transport (IMDG)

14.1. UN number or ID number: 3082

14.4. Packing group: III

14.2. UN proper shipping name:

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

14.5. Environmental hazards:

The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.

14.3. Transport hazard class(es):

9

Hazard label(s):

9

EmS:

F-A, S-F

Environmental Hazardous Substance Name(s):

IMDG Code segregation group:

- None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number: 3082

14.4. Packing group: III

14.2. UN proper shipping name:

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

14.5. Environmental hazards:

The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

14.3. Transport hazard class(es):

9

Hazard label(s):

9

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other Information:

If the product is transported in small receptacles (< 5 kg or < 5 liter) it is not covered by the rules of transport of dangerous goods, as long as the receptacle complies with the rules.

SECTION 15: Regulatory information

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

15.2. Chemical Safety Assessment

Other Information:

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice:

When mixing two components, consult the safety data sheets for both components.

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Vendor notes: Changes have been made in sections: 2, 3, 8, 9, 12, 16.

List of relevant H-statements

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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

List of relevant EUH-statements

EUH205	Contains epoxy constituents. May produce an allergic reaction.
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