

SAFETY DATA SHEET (SDS)

According to Regulation (EC) No. 1907/2006 REACH)

1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier:** **BaSiliCoat Antifouling coating**
Product Number: **101**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Identified uses Antifouling coating fo marine use
Uses advised against No data available.
- 1.3 Company:** **Hripa ehf** **Producer:** **Hripa ehf**
 Miðbraut 11
 370 Búðardalur
 Telephone: +354-6647900
 Email address: Jakob.heima@gmail.com
 Website: www.Hripa.se
- 1.4 Emergency telephone:** **See relevant for each country – location Telephone 112**

2. Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008):

H315	Skin corrosion	Category.2
H319	Serious eye damage	Category.2

2.2 Label elements:

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

DANGER

Hazard statement(s)

H315	Causes skin irritation
H319	Causes severe eye damage

Precautionary statement(s)

P102	Keep away from children
P264	Wash hands and face well after use.
P280	Wear protective gloves/ protective clothing/ eye protection.
P302+P350	IF ON SKIN: Rinse well with water and soap.
P305+P531+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards

See also sections 11 and 15

This substance/mixture contains no components considered to be classified as PBT or vPvB. (**PBT**: persistent, bioaccumulative and toxic. **vPvB**: very persistent and very bioaccumulative.

3. Composition/information on ingredients

3.1 Substances: Not applicable

3.2 Mixtures:

Barium sulfonate			
ECHA no.	01-2119967413-34-XXXX	Concentration %	30 - 50
Index no	-	Pictograms:	Xn, Xi
EINECS, ELINECS	263-140-3	H-statements	H302, H317
CAS no.	61790-48-5	Classification, hazard statements	Irritation, Health warnings
Hazard category/Hazard statements (CLP)			
Skin irrit. 1B - H317			

Oxybisethanol			
ECHA no.	01-2119457857-21-XXXX	Concentration %	2 - 3
Index no	-	Pictograms:	-
EINECS, ELINECS	203-872-2	H-statements	H302
CAS no	111-46-6	Classification, hazard statements	
Hazard category/Hazard statements (CLP)			
Skin irrit. 2 - H315, SEM-VES 2 - H372			

Propan-1,2-diol			
ECHA no.		Concentration %	4 - 8
Index no		Pictograms:	-
EINECS, ELINECS	200-338-0	H-statements	-
CAS no	57-55-6	Classification, hazard statements	-
Hazard category/Hazard statements (CLP)			
-			

Dísodiummetasilikate			
ECHA no.	01-2119449811-37	Concentration %	3 - 6
Index no	014-101-00-8	Pictograms:	C, Xi
EINECS, ELINECS	229-912-9	H-statements	H314, H318
CAS no	6834-92-0	Classification, hazard statements	Corrosive, irritating
Hazard category/Hazard statements (CLP))			
Corrosive to metals. 1 - H290, Skin irrit. 1B - H314, SEM-VES 3 - H335			

Sodíumhydroxide			
ECHA no.	01-2119457892-27	Concentration %	2 - 3
Index no	011-002-00-6	Pictograms:	C
EINECS, ELINECS	215-185-5	H-statements	H314, H318
CAS no	1310-73-2	Classification, hazard statements	Corrosive, irritating
Hazard category/Hazard statements (CLP)			
Corrosive to metals.1 - H290, Skin irrit. 1A - H314			

See full text of H-statments in Sec. 16. See classification in sec. 2. See Control parameters in Sec. 8.

4. First aid measures

4.1 Description of first-aid measures:

General advice	Check the person for breathing and other symptoms. Make sure that breathing is unrestricted Keep the person calm and warm and under observation. If in doubt regarding the persons conditions, seek medical attention/emergency room In case of unconsciousness, place in a locked lateral position and seek medical attention.
If inhaled	Keep in fresh air. Give oxygen in case of breathing difficulties. See a doctor if symptoms persist.
In case of skin contact	Rinse immediately with soap and plenty of water. Remove and clean contaminated clothing and shoes. See a doctor if symptoms persist.
In case of eye contact	Rinse gently with plenty of water for at least 15 min. and keep your eyes wide open. Remove contact lenses before rinsing. See a doctor if symptoms persist.
If swallowed	Rinse mouth, drink plenty of water. Do not induce vomiting. See a doctor if necessary. Never try to force anything into the throat of an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Can cause irritation in skin and eyes.

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

Treatment according to symptoms.

5. Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:	Choose extinguishing agents that are suitable for each situation. Cool packaging with water spray.
Unsuitable extinguishing media	Direct water jet..

5.2 Special hazards arising from the substance or mixture

Forms smoke and toxic fumes during combustion.

5.3 Advice for fire-fighters:

Avoid inhaling vapors and smoke during a fire. Wear self-contained breathing apparatus and full protective clothing for large fires. Clean up material from firefighting/contaminated water according to Section 6 and discard according to Section 13.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure good ventilation. Avoid contact with eyes, skin and clothing. Evacuate the contaminated area.
Use suitable personal protective equipment, see point 8. The product can form slippery spots.

6.2 Environmental precautions:

Stopping a leak can be done without risk. Prevent the material from entering drains, groundwater or soil.
Report a pollution accident to the Environment Agency..

6.3 Methods and material for containment and cleaning up

Avoid inhalation. Use an absorbent when cleaning. Put in the container carefully closed and labeled container and discarded cf. Article 13. Clean the contaminated area.

6.4 Reference to other sections: See section 8 on personal protective equipment and section 13 on disposal.

7. Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation. Avoid contact with eyes, skin and clothing. Use personal protective equipment. Do not smoke..
Observe hygiene when handling chemical products. Clean hands during work breaks and when work is finished.
Store the product away from food and animal feed. Remove contaminated clothing and protective equipment before entering an area where food is consumed. Clean clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities:

Do not store on walkways or stairs, in tightly closed original packaging in a cool, dry, well ventilated place. Store away from strong oxidizers and acids. The product must not be frozen.

7.3 Specific end uses:

No information available.

8. Exposure controls/personal protection

8.1 Control parameters:

8.2 Exposure controls:

Appropriate engineering controls

Use only in places with adequate ventilation. Use closed systems, point suction or others methods to keep the concentration of the material as low as possible. If this is not enough to keep strength under limit, respiratory equipment should be used. It is only relevant as a threshold given in this section. Have equipment available for clean-up in case of accidental release.

Clean skin thoroughly (face, hands, armpits) after handling chemical products, before any consumed, going to the toilet, and when work is stopped. Take care when removing contaminated clothing.

Clean contaminated clothing thoroughly before reuse. Make sure that eyewash and showers are close to the work area. Keep the product away from foodstuffs.

Personal protective equipment

Eye / Face protection

Wear safety glasses of an approved type with side protection. (EN166).

Skin / hand protection

Use chemical-resistant protective gloves, e.g. made of nitrile rubber. (EN374).

Do not use gloves for more than 50% of the stated flow time. Use protective hand cream.

Observe the manufacturer's instructions and glove breakthrough time. Change gloves often.

Skin - other

The use of long-sleeved work clothes (EN340) is recommended.

Respiratory protection

In general, there is no need to use respiratory protection, however, use self-contained breathing apparatus during prolonged use, and/or lack of ventilation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	Viscous, oily fluidi
Odour:	Oily
Colour:	Yellow
pH:	11,0 (if mixed into freshwater)
Boiling point:	>100°C
Density (20°C):	0,99
Solubility in water:	Not miscible but may form an emulsified solution
Flammability:	The product is not explosive

9.2 Other information: The product is only intended for use in seawater and then silica gel miscells form in the mixture and it cures

10. Stability and reactivity

10.1	Reactivity	
10.2	Chemical stability	Stable under normal temperature and operating
10.3	Possibility of hazardous reactions:	Stable under normal temperature and operating
10.4	Conditions to avoid:	No information available
10.5	Incompatible materials	Strong oxidizing chemicals and acids
10.6	Hazardous decomposition products:	In case of fire, irritating and toxic fumes can be produced.

11. Toxicological information

11.1 Information on chemical toxicity:

Inhalation:	May cause respiratory irritation.
Skin contact:	May cause skin irritation, burning and redness.
Eye contact:	Causes burning, redness, pain. Risk of serious eye irritation.
Swallowing:	Harmful if swallowed. Burning in throat.

Disodiumsilikate pentahydrate					
	Value	Results	Unit	Species/Method	Comments
Acute toxicity, ingestion	LD ₅₀	600	mg/kg	Rat	

Sodiumhydroxide					
	Value	Results	Unit	Species/Method	Comments
Acute toxicity, ingestion	LD ₅₀	2000	mg/kg	Rat	

12. Ecological information

12.1 Toxicity:	Avavoid discharge in drain, soil or groundwater.
12.2 Persistence and degradability:	The product has not been tested
12.3 Bioaccumulative potential:	The product has not been tested.
12.4 Mobility in soil	The product has not been tested
12.5 PBT/vPvB:	None of the ingredients are classified in these categories

13. Disposal considerations

13.1 Waste treatment methods:

Product	The material must be disposed of according to applicable laws and regulations. Waste of the material must be clearly marked and come to the hazardous waste reception. Empty packaging thoroughly. Do not pour down drains.
Dirty packaging	Dirty packaging should be treated like the product itself. Empty packaging must not be punctured or burned.

14. Waste treatment methods

ADR:	The product is not classified as dangerous goods.
IMDG:	The product is not classified as dangerous goods.
IATA:	The product is not classified as dangerous goods.

15. Regulatory information

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

The product is subject to the following regulations: 1907/2006 (REACH), 1272/2008 (CLP)

15.2 Chemical Safety Assessment:

Evaluation of chemical safety has not been done.

16. Other information

The text of all hazard statements referred to in this safety data sheet

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Issue/Date: 1 / x.3.2023

This safety data sheet is based on the knowledge available at the date of its publication, about the possible effects of the substance on health, safety and the environment.

It does not imply any warranty of material properties and applies only to the product as it comes from the seller.

It is always the responsibility of the user of the product that the necessary safety measures are taken and that they comply with applicable laws and regulations.

The use of the product is the responsibility of the user. Employers are responsible for issuing instructions for use that are relevant to their work environment.