

**Glue Boards for EFK, Glue 146
with Muscalure**

Date: 2013-06-17

Revision : 2

Section 1. Identification of the substance/preparation and of the company/undertaking

| | |
|--------------------------------|--|
| 1.1 Product name | Glue Boards for EFK, Glue 146 with Muscalure |
| 1.3 Supplier | Silvandersson Sweden AB |
| Address | Lagavägen 28, S-31020 KNÄRED, SWEDEN |
| Telephone | +46(0)430-78040 |
| Telefax | +46(0)430-78050 |
| Contact | sales@silvandersson.se www.silvandersson.se |
| 1.4 Emergency telephone | +46 (0)8-331231 Swedish poison information |

Section 2. Hazards identification**2.1 Classification**

Classification (1999/45/EC):

This product is not classified as flammable, harmful or dangerous for the environment.

2.2 Label elements**Symbols**

None

Substance name

Muscalure, Styrene-isoprene copolymer. Naphtha (petroleum), light steam cracked, debenzenized, polymers, hydrogenated, White mineral oil (petroleum)

Risk phrases

None

Safety phrases

None

2.3 Other hazards**Eye:**

As supplied: irritant as a foreign body. As used: severe thermal hazard

Skin contact:

As supplied: no hazard. As used: severe thermal hazard.

Inhalation:

Vapours and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Ingestion:

Low oral toxicity.

Physical-chemical:

No unusual hazards are expected.

Environmental:

Adverse effects would not be expected.

Glue Boards for EFK, Glue 146 with Muscalure

Date: 2013-06-17

Revision : 2

Section 3. Composition/information on ingredients

3.2 Chemical composition: mixture. Hot Melt Adhesive with Muscalure

| Components | CAS-No: EC-No: | Reg- No: | Conc. % | Symbol/ R-fraser (*): | Hazard Class and Category Code(s)/ Hazard statement Code(s)(*): | |
|--|-------------------------|-------------|------------|--------------------------|--|--|
| Styrene-isoprene copolymer | 25038-32-8 607-504-5 | - | 5-10 | - | -- | |
| Naphtha (petroleum), light steam cracked, debenzenized, polymers, hydrogenated | 68132-00-3 614-305-7 | - | 40-50 | -- | - | |
| White mineral oil (petroleum) | 8042-47-5 232-455-8 | - | 40-50 | -- | - | |
| Stabilisers | | | < 1 | | | |
| Antioxidants | | - | < 0,5 | -- | - | |

(*) The full text of Risk phrases and Hazard statement Codes are listed under heading 16.

Description of symbols abbreviations:

T= Toxic; T+= Very toxic; C= Corrosive; Xn= Harmful; Xi= Irritant; O= Oxidizing; E= Explosive; F= Highly flammable; F+= Extremely flammable; N= Dangerous to the environment

Section 4. First aid measures

4.1 Description of first aid measures

- Eye:** If hot: flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied: remove as foreign body.
- Skin contact:** If hot: flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied: non-hazardous.
- Inhalation:** Remove to fresh air. Get medical attention if irritation persists.
- Ingestion:** None required.

4.2 Most important symptoms and effects, both acute and delayed

- Eye** As supplied: irritant as a foreign body. As used: severe thermal hazard.
- Skin** As supplied: no hazard. As used: severe thermal hazard.
- Inhalation** Vapours and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
- Ingestion** Low order of toxicity.

4.3 Indication of any immediate medical attention and special treatment needed

-

Glue Boards for EFK, Glue 146 with Muscalure

Date: 2013-06-17

Revision : 2

Section 5. Fire-fighting measures

5.1 Extinguishing media

CO₂; Dry chemical.

5.2 Special hazards arising from the substance or mixture

Fire & explosion hazards

Combustible at high temperatures.

Hazardous combustion products

Carbon monoxide, carbon dioxide, unknown hydrocarbons.

5.3 Advice for firefighters

Appropriate breathing apparatus may be required.

Special fire fighting procedures

No special procedures are required.

Additional information

Flash point >200°C

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use product if possible.

Collect the waste mechanically.

Place in container for disposal according to local regulations.

6.4 Reference to other sections

See Section 7 for proper handling and storage.

For personal protection see section 8. For disposal of spillage, see section 13.

Section 7. Handling and storage

7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed. Precaution: this product should only be heated to recommended temperatures. The hazards of pyrolysis products are unknown.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

7.3 Specific end use(s)

-

Section 8. Exposure controls/personal protection

8.1 Control Parameters

Normal ventilation should be adequate for small volumes.

Exposure limits

Swedish limit values or limit values according to the European commission:

| Substance | CAS-No | Level limit value | Ceiling limit value | Short time value |
|-----------|--------|-------------------|---------------------|------------------|
| - | - | - | - | - |

Glue Boards for EFK, Glue 146 with Muscalure

Date: 2013-06-17

Revision : 2

Section 8. Exposure controls/personal protection (cont.)

8.2 Exposure controls

General protective and hygiene measures

Wash hands before breaks and after work. Avoid contact with eyes and skin.

Individual protection measures, such as personal protective equipment

Always consult a competent person/supplier when selecting personal protective equipment.

Respiratory protection

None required if good ventilation is maintained.

Hand protection

Rubber or thermally resistant gloves should be worn.

Eye protection

Not required when used as intended

Clothing requirements:

Not required when used as intended

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|----------------|
| Form: | Solid |
| Colour: | Colourless |
| Odour: | Negligible |
| Odour threshold: | Not determined |
| Flammability (solid, gas): | Not determined |
| Evaporation rate; (°C): | Not determined |
| Relative density: | Not determined |
| pH-value (20°C): | Not applicable |
| Vapour density: | Not applicable |
| Evaporation rate: | Not applicable |
| Partition coefficient: n-octanol/water: | Not determined |
| Viskositet (Dynamisk/Kinematisk): | Not applicable |
| Solubility in water: | Insoluble |
| Melting point/freezing point; (°C): | Not determined |
| Initial boiling point and boiling range: | > 200°C |
| Flash point; (°C): | > 200°C |
| Upper flammability or explosive limits: | Not determined |
| Lower flammability or explosive limits: | Not determined |
| Vapour pressure; (20°C): | Not applicable |
| Explosive properties; | None |
| Oxidising properties: | None |

9.2 Other information: No specific

Glue Boards for EFK, Glue 146 with Muscalure

Date: 2013-06-17

Revision : 2

Section 10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

-

10.4 Conditions to avoid

-

10.5 Incompatible materials

-

10.6 Hazardous decomposition products

No hazardous decompositions products known.

Section 11. Toxicological information

11.1 Information on toxicological effects

See section 4. (Most important symptoms and effects, both acute and delayed)

Effects of chronic exposure

Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information. Use of good industrial hygiene practices is recommended.

Toxicology data for the components

White mineral oil (petroleum) -Toxicity by ingestion: LD₅₀ Oral rat: >5000 mg/kg body weight

Routes of exposure

Eyes and skin

Other information

None

Section 12. Ecological information

Information about this product is not applicable. This product is not classified as dangerous for the environment.

12.1 Toxicity (containing substance)

White mineral oil (petroleum): LC₅₀ Fish 96h: >10000 mg/l Species: Lepomis macrochirus

12.2 Persistence and degradability

24% degraded in 28 days OECD 301B - White mineral oil (petroleum)

12.3 Bioaccumulative potential

-

12.4 Mobility in soil

-

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Other adverse effects

-

**Glue Boards for EFK, Glue 146
with Muscalure**

Date: 2013-06-17

Revision : 2

Section 13. Disposal considerations**13.1 Waste treatment methods**

Dispose of in accordance with local authority requirements. Do not empty into drain.

Hazardous waste

To the present knowledge of the supplier, this product is not regarded as hazardous waste.

Section 14. Transport information**14.1 UN number**

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

Marine Pollutant: No

14.6 Special precautions for user

-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

-

Section 15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classification according to (67/548/EEC, 1999/45/EC)

15.2 Chemical safety assessment

-

Section 16. Other information**The full text of Risk phrases and Hazard statement Codes are listed under heading 3:**

-

FDA-status:

Complies with the composition requirements of "Food Packaging Adhesives" – 21CFR 175.105.

Revision 1: 2013-06-17

Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 453/2010

This information is provided for health and safety assessments by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation.**This information does not constitute indication of suitability for specific uses.**