

**SAFETY DATA SHEET**

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Number: NB\_8\_09

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1. Identification of the preparation:** NAUTIC EPOXY**1.2. Use of the preparation:** Two-component product based on epoxy resin. It's use for joining fixing and filling of constructions elements made of polyester or epoxy laminate.

**1.3. Company/undertaking identification:** NOVOL Sp. z o.o.      Tel: (061) 810-98-00  
 ul. Żabikowska 7/9      Fax: (061) 810-98-09  
 62-052 Komorniki      [www.novol.pl](http://www.novol.pl)  
 Emergency tel: (061) 810-98-00

**2. HAZARD IDENTIFICATION****HEALTH HAZARDS:** Irritant product. Irritating to eyes and skin. May cause sensitization by skin contact.**DANGEROUS PROPERTIES:** Product dangerous for the environment. Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment.**OTHER:** No data available.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| EEC No.      | Name of the substance                            | WE No.    | CAS No.    | Classification of the substance | Marking of the substance                                   | Composition |
|--------------|--|-----------|------------|---------------------------------|--|-------------|
| 603-074-00-8 | Epoxy resin (average molecular weightf 700 1200) | 500-033-5 | 25068-38-6 | Xi; R36/38<br>R43<br>N; R51/53  | Xi; N;<br>R: 36/38-43-<br>51/53<br>S: (2-)28-37/39 -<br>61 | 65-95%      |

**4. FIRST AID MEASURES****GENERAL INFORMATION:** See 11 point Product Date Sheet.**INHALATION:** Take the casualty into the fresh air and keep warm irregular breathing/no breathing artificial respiration call a physician.**SKIN:** Take off soiled clothes. Wash off with plenty of lukewarm water and soap (at least 15 minutes).Consult a doctor in the event of skin reaction.**EYES:** Hold the eyes open and rinse immediately with plenty of lukewarm water (at least 15 minutes). Contact with ophthalmologist.**ALIMENTARY TRACT:** Do not provoke vomiting. Rinse mouth with water. Medical help is required.**5. FIRE-FIGHTING MEASURES****FIRE EXTINGUISHING SUBSTANCES:** Powder, foam resistant to alcohols, carbon dioxide, watermist.**SPECIAL HAZARDS:** Fire may cause the generation of carbon monoxide, nitrogen oxidants and other toxic gases. Prevent to get through to the sewage system, to the surface water, underground water, to the soil.**PROTECTIVE EQUIPMENT:** Firemen have to wear self-contained breathing apparatus and protective clothing.**OTHER INFORMATION:** Cool adjacent tanks by spraying water from a safe distance.**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PROTECTION:** Eliminate sources of ignition. Ensure sufficient ventilation in this room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Put on protective equipment see chapter 8.**PROTECTION OF THE ENVIRONMENT:** Prevent to get through to the sewage system, to the surface water, underground water, to the soil. In case of a major spillage the affected area should be separated with bounds.**ACTION IN CASE OF SPILLAGE:** Seal the container; damaged containers should be placed in emergency containers. Besprinkle spillage, use e.g. mica, sand, wood flour. Remove the substance mechanically and put to emergency containers. For further disposal measures: see chapter 13.

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**7. HANDLING AND STORAGE**

**HANDLING RULES:** Keep away from heat and sources of fire. Do not smoke. Do not inhale vapours. Avoid contact with skin and eyes. Prevent to get through to the sewage system, to the surface water, underground water, to the soil. Use only in well ventilated place. Put on protective equipment-see chapter 8.

**STORAGE:** Keep in sealed containers in cool, well ventilated rooms. Storage in the vicinity of a large quantity of organic peroxides or strong oxidants is prohibited.

**PECULIAR APPLICATION:** See the technical product data sheet.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**RESPIRATORY TRACT PROTECTION:** Gas mask with "A" type absorbing canister.

**PROTECTION OF HANDS:** Protective gloves suitable for handling solvents (viton, nitrile rubber, thickness >0.5mm, the time of perforation should give gloves producer because the time of perforation runs on used stuff and others quality marks).

**EYES PROTECTION:** Protective glasses.

**SKIN PROTECTION:** Suitable protective clothing (antistatic, impregnated clothing).

**WORKPLACE:** Topical stays and exhausting ventilation.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: highly viscous liquid  
Colour: white  
Smell: characteristic  
Boiling point: approx. 200°C  
Flash-point: >100°C  
Autoignition point: --  
Explosion limits: product is not explosive  
Vapour pressure: --  
Density: approx. 1.25 g/cm<sup>3</sup> (23°C)  
Water solubility: insoluble  
Partition coefficient n-octanol/water: --  
Viscosity (rotating rheometer): approx. 11 700 mPas (23°C)

**10. STABILITY AND REACTIVITY**

**STABILITY:** The product remains stable under normal conditions.

**AVOID THE CONTACT OF THE MATERIAL WITH:** Strong oxidants, high temperature, strong acids and basis.

**DANGEROUS** Carbon monoxide, nitric oxides and other toxic gasses are generated as a

**DECOMPOSITION PRODUCTS:** result of thermal decomposition.

**11. TOXICOLOGICAL INFORMATION**

Toxicological studies at the preparation are not available.

**TOXICITY:** CAS: 25068-38-6 Epoxy resin (average molecular weight < 700):  
LD<sub>50</sub> (rat, skin) 11400 mg/kg

**IRRITATING EFFECT:** Skin: irritating to skin and mucous membranes. May cause sensitization by skin contact  
Eyes: irritating effect.

**SYMPTOMS OF POISONING:** Headache and vertigo, fatigue, decreased muscle power, sleepiness and, in exceptional instances, loss of consciousness. If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting, and diarrhoea.

**12. ECOLOGICAL INFORMATION**

Ecological studies at the preparation are not available.

The product is very poorly soluble in water. Keep away from the sewage system, surface water, underground water, and soil. Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment.

**13. DISPOSAL CONSIDERATIONS**

**RECOMMENDATION:** Product must be disposed of by special means in accordance with local regulations.

**REMAINS OF PRODUCT:** Remains of product in the tin should be carefully remove and harden using suitable hardener.

**ATTENTION:** Remains should be hardened in small portions far from flammable substances. Much amount of heat is emitting in the time of reaction!

**CLEAN TIN:** The tin is subject to cash deposit as guarantee and should be return to manufacturer.  
**code of waste:** 15 01 10\*

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**14. TRANSPORT INFORMATION**

**GENERAL INFORMATION:** Do not transport with materials class 1 (with the exception of materials class 1.4S) and with some of materials class 4.1 and 5.2. Avoid direct contact with materials class 5.1 and 5.2 in the time of transport. Do not use naked flame and do not smoke.

**ADR/RID:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

| UN No. | Name of the raw material                           | Hazard identification number | Warning label required | Classification Code | Packaging group |
|--------|--|------------------------------|------------------------|---------------------|-----------------|
| 3082   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S | 90                           | 9                      | M6                  | III             |

**IMDG- Code:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, CLASS 9, UN 3082, PG III.  
EmS: F-A, S-F

**ICAO/IATA:** No data available.

**15. REGULATORY INFORMATION**

Safety data sheet in accordance with Directives:  
67/548/EWG(2006/121/WE)  
91/155/EWG (2001/58/WE)  
1999/45/EC (2006/8/WE)  
2006/1907/WE REACH  
Other regulations: ADR (2007-2009) , IMDG Code 2006 Edition

**CONTAINS:** Epoxy constituents.. See information supplied by manufacturer.

**HAZARD SYMBOL(S)**



Xi Irritant  
N Product dangerous for the environment.

**RISK-PHRASES:**

R36//38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact  
R51/53 Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment.

**SAFETY-PHRASES:**

S (2-) Keep out of the reach of children.  
S28 After contact with skin, wash immediately with plenty of water  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S 46 If swallowed, seek medical advice immediately and show this container or label.  
S51 Use only in well-ventilated areas.  
S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

**16. OTHER INFORMATION**

Full text of the R-Phrases from section 2:  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact  
R51/53 Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment.

Information contained herein is based on our current knowledge. This document does not constitute a warranty for product characteristics.

Issued by: NOVOL Sp. z o.o.

Information: Laboratory Research and Development; tel. +48 61 810 99 09