

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/07/2005

Version 1

Reviewed on 06/06/2005

1 Identification of substance

- Product details

- Trade name: **MARITHAN N Resin**

- Application of the substance / the preparation: Consolidation by injection

- Manufacturer/Supplier: A. WEBER S.A. Tel : +33 (0)3 87 27 27 80
94, avenue de la Paix Fax : +33 (0)3 87 27 27 81
F-57520 ROUHLING E-mail: in@weber-polymers.com
+33 (0)6 76 48 63 02

2 Composition/Data on components

- Chemical characterization

- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

| | |
|------------|-----------------------|
| 25322-69-4 | Polypropylene glycol |
| 85508-00-5 | DIBUTYL TIN DILAURATE |

3 Hazards identification

- Hazard description: Harmful

- Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines.
Harmful if swallowed.

- Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



4 First aid measures

- General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Immediately call a doctor.

5 Fire fighting measures

- Suitable extinguishing agents: Use fire fighting measures that suit the environment.

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· **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** This product is hygroscopic.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

| | |
|--|---|
| · General Information | |
| Form: | Fluid |
| Color: | Colorless |
| Odor: | Characteristic |
| · Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | > 100°C (> 212°F) |
| · Flash point: | > 100°C (> 212°F) |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Density at 25°C (77°F): | 1.0 g/cm ³ |
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Viscosity: | |
| Dynamic at 25°C (77°F): | 200 mPas |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

| | |
|---|------------------------|
| · LD/LC50 values that are relevant for classification: | |
| 85508-00-5 DIBUTYL TIN DILAURATE | |
| Oral | LD50 219 mg/kg (rat) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful

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12 Ecological information

- **Ecotoxicological effects:**

- **Acquatic toxicity:**

85508-00-5 DIBUTYL TIN DILAUATE

EC/LC50 4 mg/l (poi)

LC50/48 h < 1 mg/l (daphnia)

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Product:**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:**

Disposal must be made according to official regulations.

14 Transport information

- **Maritime transport IMDG:**

- **Marine pollutant:**

No

15 Regulations

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

7732-18-5 water, distilled, conductivity or of similar purity

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity:**

None of the ingredients is listed.

- **Carcinogeny categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

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Trade name: **MARITHAN N Resin****· NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:

Harmful

· Hazard-determining components of labelling:

Polypropylene glycol

· Risk phrases:

Harmful if swallowed.

· Safety phrases:

This material and its container must be disposed of as hazardous waste.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:** Quality Department
- Contact:** Isabelle Nodari