



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCTS/ IDENTIFICATION OF SUBSTANCE

PRODUCT NAME : Epoxy Zinc Rich Primer
PRODUCT CODE : Sealbond ZRP - 758
PRODUCT TYPE : Epoxy Resin/Zinc Dust

2. COMPOSITION / INFORMATION ON INGREDIENTS

NAME :	CAS NO.
ZINC POWDER-ZINC DUST	7440-66-6
XYLENE	1330-20-7
METHANOL	67-56-1

3. HAZARDS IDENTIFICATION

SPECIFIC HAZARDS

Irritant (XI)
May cause sensitization by skin contact.

ENVIRONMENTAL EFFECTS & PHYSICAL AND CHEMICAL HAZARDS

Flammable. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AIDE MEASURES

INHALATION

Take person out of the contaminated area. Remove patient to fresh air.
Call a doctor immediately.

SKIN CONTACT

Wash in soap and water and rinse with water.
Take off all contaminated clothing.

EYE CONTACT

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Never use solvent.

If irritation continues, see an ophthalmologist.

INGESTION

Give lukewarm water to drink. Do not induce vomiting.

Do not make the victim drink milk or fatty fluids.

If swallowed, seek immediate advice and show container or label to the doctor.

PROTECTION OF FIRST AIDERS**NOTE TO PHYSICIAN****OTHERS**

Call a doctor in case of doubt or if symptoms persist.

If unconscious, place in recovery position and seek medical advice.

5. SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS
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EXTINGUISHING MEDIA

Use water fo.0g, "Alcohol" foam, dry chemical or Co2. Do not use a direct stream of water. Product will float. Water or foam may cause frothing which can be violent if sprayed into containers of hot burning product. Material will not burn unless preheated. Do not enter confined fire space without full banker gear (helmet with face shield, bunkers coats, gloves and rubber boots), including a positive pressure niosh approved self-contained breathing apparatus. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid inhaling vapors when not cured.

Workplace ventilation.

SPECIAL PROTECTIVE MEASURES

Water protective equipment.

Refer to protective measures listed in sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS

Discharge in sewer prohibited.

Absorb with inert material (vermiculate, sand) and collect in closed containers.

If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.

METHOD OF CLEANING UP RECOVERY

Collect spillages.

Absorb with sand or sawdust.

Collect the product in a container pending future destruction.

NEUTRALIZATION**DISPOSAL**

Use authorized discharger or burn in approved installation.
Do not discharge in sewers.
Consult local waste disposal authorities.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with skin, eyes during application. When eyes and skin irritate and contact wash it with soap and water.

TECHNICAL MEASURES

PREVENTION OF WORKER EXPOSURE

Handle with care using hand and eye protection.
Comply with the Health and Safety work laws.

SAFE HANDLING ADVICES

STORAGE

Do not keep for prolonged periods of time.
Keep container tightly closed.
Keep away from food, drink and animal feeding stuffs. While still wet.

8. TRANSPORT INFORMATION

- **LAND TRANSPORT** ADR/RID (cross-border)
- ADR/RID Class: 9 Miscellaneous dangerous substances and articles.
- Hazard Index Number: 90
- Substance Index Number: 3082
- Packaging Group: III
- Label: 9
- Designation of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxide derivatives)
- **MARITIME TRANSPORT** IMDG:
- IMDG Class: 9
- UN Number 3082
- Label 9 + MP
- Packaging Group: III
- EMS Number: F-A,S-F
- Marine Pollutants: yes
- Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxide derivatives)
- **AIR TRANSPORT** ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 9
- UN/ID Number: 3082
- Label 9
- Packaging Group: III
- Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxide derivatives)

9. REGULATORY INFORMATION

- Designation according to EC guidelines:
The product has been classified and labeled in accordance with EC Directives/Ordinance on Hazardous Materials (GefStoffV)
Symbol N:
Recommendation of "Association of Plastics Manufacturer in Europe)
(APEM) – Epoxy Resin Committee
- Code letter and hazard designation of product:

Xi	Irritant
N	dangerous for the environment
- Risk phrases:

R 36/38	Irritating to eyes and skin.
R 43	May cause sensitization by skin contact.
R 51-53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety phrases

28	After contact with skin, wash immediately with plenty of soap and water.
37/39	Wear suitable protective clothing, gloves and eye/face protection.
61	Avoid release to the environment. Refer to special instruction/safety data sheets
- Primary irritant effect:
- On the skin: Irritant to skin and mucous membranes.
- On the eye: Irritant effect.
- Sensitization: Sensitization possible by skin contact.
- Additional toxicological information:
When used and handle according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

10.EMPLOYEE PROTECTION

Avoid breathing vapors/mists. Use a niosh-approved respirator as required to prevent over-exposure. In accord with 29 CFR 1910.134, use either a full-face, atmosphere-supplying respirator or an air-purifying respirator for organic vapors. Avoid breathing vapors which may be produced under some conditions such as heating or applications of uncured material in large surface areas (e.g, flooring and painting). Avoid breathing aerosols and mists which may be formed by various methods of application. In accordance with Sara Title III, Section 313, the attached Environmental Data Sheet (Eds) should always be copied and sent with the MSDS.

11.PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Metallic Viscous Liquid
 COLOUR : Silver Grey
 ODOUR : of solvents
 VOLATILITY DESCRIPTION :Volatile.
 SOLUBILITY Insoluble in water
 RELATIVE DENSITY 2.60 - 3.00 @ 20 C VAPOUR DENSITY (air=1) heavier than air
 VOLATILE BY VOL. (%) 57% approx. VISCOSITY 8.0 (ICI Rotothinner) Ps @ 25 C
 FLASH POINT (°C) 36 approx. CC (Closed cup). FLAMMABILITY LIMIT - LOWER(%) 0.8

12. 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

13. TOXICOLOGY INFORMATION

- Acute toxicity.
- Primary irritant effect.
- On the skin: May cause skin irritation
- On the eye: Irritating eye.
- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information.
- The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

14. ECOLOGICAL INFORMATION

Ecotoxicological Effects

- Remarks: Toxic for fish
General notes:
- Water Hazard Class 1 (Self-assessment): Slightly hazardous for water
- Water Hazard Class 2 (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drink water if even small quantities leak into the ground.
- Also poisonous for fish and plankton in water bodies..
- Toxic for aquatic organisms.

15. DISPOSAL CONSIDERATION

- **Recommendation:**
It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. Local Regulations may differ from disposal regulations. Dispose of waste material according to local and provincial environmental regulations.

Recommendation: Disposal must be made according to local regulations.

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.