



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

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**TRADE NAME** ALCOLIN MIX 'N FIX AQUAMEND  
**Chemical family** Epoxy putty  
**Chemical name** Mixture  
**Synonyms** None

**Chemical abstract no.** Mixture  
**NIOSH no.** Unknown  
**Hazchem code** Unknown  
**UN no.** 3082

### 2. COMPOSITION / INFORMATION OF INGREDIENTS

Ingredient	CAS No.	Approx (%)	Hazard Classification & Risk Phrases
Diglycidyl Ether of Bisphenol-A	25068-38-6	10	Unknown
Novolac Epoxy Resin	28064-14-4	5	R43 – Skin sensitization-has caused allergic skin reaction in guinea pigs
Aliphatic Amine	32610-77-8	5	R38 – Moderate skin irritation

### 3. HAZARDS IDENTIFICATION

Main hazards Xi – Irritant  
Health effects: Eyes R36/38 – Irritant to eyes and skin  
Health effects: Skin R43 – May cause sensitisation by skin contact.  
Health effects: Ingestion Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts  
Health effects: Inhalation Unlikely due to physical properties of product

### 4. FIRST- AID MEASURES

Product in eyes Remove any contact lenses from the eyes before rinsing thoroughly with plenty of water (lift eye lids).  
Rinse for at least 15 minutes. Seek medical attention if any discomfort continues  
Product on skin Wash skin with soap and water – do not use solvents! Seek medical attention if irritation persists  
Product ingested Seek medical attention immediately. Never make an unconscious person vomit or drink fluids. Get the affected person to drink a lot of water in small gulps. Do not induce vomiting.  
Product inhaled Move to fresh air and seek medical attention. If required, provide artificial respiration

### 5. FIRE-FIGHTING MEASURES

Extinguishing media Water, dry chemical powder, foam, carbon dioxide or sand  
Special hazards In case of fire, hazardous combustion-gases are formed – CO. Under certain conditions of combustion traces of other toxic substances cannot be excluded.  
Protective clothing In case of fire, wear respiratory protection such as NIOSH approved breathing equipment

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear NISOH approved self contained breathing apparatus. Spill surface may be slippery
Environmental precautions	Avoid contamination of ground and water surfaces
Small spills	If recovery is not feasible, absorb with dry sand, soil or non-reactive absorbent material or coagulate by sprinkling sodium chloride over the spill. If product has dried, scrape off the ground. Place in a container suitable for disposal
Large spills	Stop leak if without risk. Ventilate area. Prevent entry into drains or sewers. Clean as per small spills

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## 7. HANDLING AND STORAGE

Suitable material	Steel container lined with polyethylene or polypropylene, polyethylene, PVC containers
Storage precautions	Keep product in a sealed container at temperatures between 5 and 30°C.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits	None
Engineering controls	Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above. Ventilation must be explosive proof
Respiratory Protection	Not required under normal conditions of use in a well-ventilated space
Hand Protection	PVC or PE gloves should be used if there is a risk of direct contact onto skin
Eye Protection	Tightly sealed goggles
Skin Protection	Observe the usual precautions when handling chemicals. Remove soiled or soaked clothing immediately
Other Protection	Wash hands at the end of each work shift and before eating

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## 9. PHYSICAL PROPERTIES

• Appearance	Coloured putty
• Odour	Sulphurous odour
• Flash point	>60°C
• Boiling point	230°C
• Density (g/cm <sup>3</sup> @ 20°C)	1.97
• Solubility water	Insoluble

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## 10. STABILITY AND REACTIVITY

Conditions to avoid	No decomposition if used according to specifications. Avoid temperature extremes: below 5°C and above 30°C
Incompatible materials	Organic solvents, strong acids, strong alkalis, salts.
Hazardous decomposition products	Carbon dioxide, Carbon monoxide, oxides of nitrogen and sulphur, aldehydes

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Diglycidyl Ether of Bisphenol-A		
	1. LD50	Dermal	Rabbit 20000 mg/kg
	2. LD50	Oral	Rat >5000 mg/kg
	Novolac Epoxy Resin		
	1. LD50	Dermal	Rabbit >2000 mg/kg
	2. LD50	Oral	Rat >2000 mg/kg
	Aliphatic Amine		
	1. LC50 (1 hour)	Inhalation	Rat >20 mg/l
	2. LD50	Oral	Rat >2200 mg/kg

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## 12. ECOLOGICAL INFORMATION

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed

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## 13. DISPOSABLE CONSIDERATIONS

Disposal methods	Whatever cannot be saved for recovery or recycling should be handled according to current local waste disposal legislation. Do not allow to enter drains or sewers. Do not allow to enter any body of water
Disposal of packaging	Contaminated packaging should be emptied as far as possible and after appropriate cleaning may be taken for reuse or disposed of in approved facility in accordance with current local legislation

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## 14. TRANSPORT REGULATIONS

UN no		Not regulated
Substance identity no.		Not regulated
<b>Road / rail transport</b>	ADR / RID	Not regulated
<b>Marine Transport</b>	IMDG	Not regulated
<b>Inland waterways</b>	ADNR	Not regulated
<b>Air transport</b>	IATA	Not regulated

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## 15. REGULATORY INFORMATION

EEC hazard classification	None
Risk phrases	None
Safety phrases	None
National legislation	n/a

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## 16. OTHER INFORMATION

For intended use and applications see the Technical Data Sheet for the product. The information provided in this Material Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our product must take responsibility for observing existing laws and regulations