

Material Safety Data Sheet

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Infosafe No. ZLO1Z Issue Date: September 2001 ISSUED by HENKELAI

Product Name: FERROPRE HARDENER

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name HENKEL ADHESIVES (ABN 82 001 302 996)
Address 55 Korong Road, West Heidelberg
Victoria 3081
Emergency Tel. 03 9457 4626
Tel/Fax Tel: 03 9459 4544 Fax: 03 9457 5549
Other Information Users of this product are urged to study this material safety data sheet carefully to become aware of the hazards, if any, relating to this product. In the interest of safety you should notify your employees, agents and contractors of the information contained within this document.

IDENTIFICATION

Product Name FERROPRE HARDENER
Proper Shipping Name None Allocated
Other Names

<u>Name</u>	<u>Mancode</u>
Epoxy hardener, epoxy part B	
EPIBOND 7606	

UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule S5
Product Use FERROPRE HARDENER is used in conjunction with FERROPRE COMPOUND to form an epoxy adhesive used for the bonding of cast iron pipes and other general bonding work.

Physical Data

Appearance Black putty
Melting Point not established
Boiling Point not established
Vapour Pressure not established
Specific Gravity approximately 1.5
Flash Point >100°C (COC)
Flamm. Limit LEL not applicable
Solubility in Water Insoluble

Other Properties

Physical State putty - thick liquid.
Colour black
Form Solid
Stability stable.
Haz. Polymerization hazardous polymerisation will not occur by itself, but irreversible polymerisation will occur with amines and other epoxy curing agents with considerable development of heat.
Materials to Avoid acids, amines, oxidising agents.

Ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Inert filler		30-60 %
	Polyamide resin	68410-23-1	42-48 %
	tertiary amine substituted phenol curing agent		0-5 %

HEALTH HAZARD INFORMATION

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Health Effects

Acute - Swallowed Slightly toxic. May cause gastric irritation.

Acute - Eye A severe eye irritant. Corrosive to eyes; contact can cause corneal burns.

Acute - Skin Repeated or prolonged contact with the skin may result in irritation. Prolonged or repeated exposure may cause skin sensitization.

Acute - Inhaled Not normally an inhalation risk due to low vapour pressure at ambient temperatures. Heated material will emit fumes which will be irritating to nose and throat.

Chronic Knowledge is based on that of the constituents. Repeated or prolonged skin contact can cause sensitization. May induce asthma-like sensitization.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. Give 1 or 2 glasses of water to drink. DO NOT induce vomiting. Seek medical advice.

Eye Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention urgently.

Skin Wash with plenty of soap and water. If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.

Inhaled Remove victim to fresh air. Allow patient to assume most comfortable position and keep warm. Recovery should be rapid after removal from exposure. Keep at rest until fully recovered. Seek medical advice if effects persist.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

Sensitization of Product May cause sensitisation by skin contact.

PRECAUTIONS FOR USE

Exposure Limits no data available for the compounded product.

Eng. Controls Use with adequate ventilation. Must be sufficient to prevent breathing of vapour. General factory ventilation is normally sufficient. Local exhaust ventilation may be required in confined areas or where natural ventilation is not sufficient to maintain low concentrations of vapour.

Other Information Polymerisation with considerable heat build up will occur if masses >0.5kg are mixed with epoxy resins in uncontrolled conditions

Personal Protection

Protective Equip. Avoid repeated and prolonged skin contact. Wearing of the following personal protective equipment is recommended. Overalls or similar protective apparel. Safety glasses, goggles or faceshield as appropriate. Enclosed footwear. PVC, neoprene or nitrile rubber gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before storing/re-using.

Flammability

Fire Hazards Will burn if involved in a fire but not considered to be a significant fire risk.

SAFE HANDLING INFORMATION

Storage and Transport

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Storage and Transport Store in cool place and out of direct sunlight.
Store away from foodstuffs. Not to be loaded with foodstuffs.
Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Other Storage Info. Avoid breathing vapour if product is heated

Proper Shipping Name None Allocated

Spills and Disposal

Spills & Disposal Wear appropriate protective equipment when cleaning up spillages. Contain spillage using absorbent (soil or sand, sawdust, vermiculite, inert material). Prevent any contamination of drains or waterways. Scrape up and seal in properly labelled drums for disposal. Remove residue from contaminated areas with specific clean-up solution or use water and detergent. Observe local regulations when disposing of waste material.

Fire/Explosion Hazard

Fire/Explos. Hazard No unusual fire or explosion hazards. In case of fire in the surroundings: all extinguishing agents allowed. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Extinguish fire with the following: CO₂, dry chemical or foam.
Hazardous decomposition products of combustion: oxides of nitrogen, carbon dioxide, carbon monoxide, soot and smoke, oxidative products of polymeric materials.

Hazardous Reaction Avoid contact with strong oxidising agents, mineral acids and epoxy resins under uncontrolled conditions.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology no data available for the compounded product.

Environ. Protection Avoid contaminating waterways.

Risk Statement R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Statement S2 Keep out of reach of children.
S28 After contact with skin, wash immediately with plenty of soap and water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Pkg. & Labelling Xi symbol
Schedule 5 poison

Hazard Category Irritant

Manufacturers Advice Refer to Technical Data Sheet for specific user information.

Last Change 17-9-2001 - revised to haz subs regs.

CONTACT POINT

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ISSUED by HENKELAI

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Contact

For additional information or enquiries contact :

Business hours : 03-9459-4544 (Australia) - ask for SHEQ Manager or
Technical Manager

In an emergency - all hours - 03 9457 4626

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the work place.

As we cannot anticipate or control the exact use of our products or the conditions under which the product may be used, our providing this data does not relieve you of the responsibility of reviewing this MSDS in the context of how you intend to handle and use the product in the work place. Users of this product are encouraged to conduct their own tests and experiments in the specific context of the products intended use.

It is not suggested that the hazard precautions or procedures contained in this document are the only ones that exist.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. The proportion of ingredients, and other data expressed in this document are not to be taken as a specification.

...End Of MSDS...