

1. IDENTIFICATION OF PREPARATION AND COMPANY

Product details: Catalyst for two pack epoxy water based paint for industrial use only

Manufacturer/supplier: Promain UK Limited, Promain House, Knowl Piece Business Park, Hitchin, Hertfordshire, SG4 0TY

Tel: 01462 421 333

2. COMPOSITION/INFORMATION OF COMPONENTS

Chemical nature: Formulated bisphenol A epoxy resin

Contains: Bisphenol A –(epichlorhydrin) epoxy resin

CAS 25068-38-6

R36/38 R43 R51/53

Bisphenol F-epoxy resin

CAS 9003-36-5

R36/38 R43 R51/53

3. HAZARDS IDENTIFICATION

Classification of Product: UK CHIP 3 (The chemicals (Hazardous information and packaging for supply) Regulations, 2002) EC Directive 1999/45

XI – Irritant

N – Dangerous for the environment



R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS (see sect 11)

Ingestion may cause nausea and vomiting, dizziness and possibly unconsciousness. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General: Seek medical attention when symptoms persist and in all cases of doubt. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in the recovery position and seek medical advice.

Eye contact: Contact lenses should be removed, irrigate well with clean fresh water for at least 10 minutes, holding eyelids apart.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or suitable skin cleaner. *Do not use thinners.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest, do not induce vomiting.

5. Fire Fighting Measures

Suitable extinguishers: Water mist, Carbon Dioxide, Foam, Dry powder

Unsuitable Extinguishers: For safety reasons do not use high pressure water jets.

Exposure Hazards: Burning produces obnoxious and toxic fumes.

Special Procedures: wear fire retardant clothing, use approved self contained breathing apparatus. Cool containers with water sprays.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin.

Environmental Precautions: Prevent contamination of soil, drains and surface waters.

Methods of Cleaning: Take up with absorbent, inert materials e.g. Sand, Sawdust, Silica gel. Sweep up and shovel into suitable containers for disposal. Dispose in accordance with local authority regulations.

7. HANDLING AND STORAGE

Handling: Avoid inhalation of vapour, ensure adequate ventilation. Use local extraction equipment where possible. Wear suitable protective clothing. Avoid ignition sources. Do not eat, drink or smoke in the workplace.

Storage: Keep away from food and drink. Store in original container, securely closed, between 2 and 40 degrees Celsius.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use in well ventilated places. Mechanical control takes precedence. Suitable spray booths and LEV systems should be employed and in case of insufficient ventilation wear suitable respiratory equipment, such as air-fed or combinations of charcoal and particulate filter masks.

Hand and Skin Protection: Wear suitable overalls and gloves such as PVC or nitrile gauntlets. Remove clothing after work.

Eye Protection: Wear approved tight fitting safety goggles or full faced shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: White

Viscosity/appearance: mobile liquid

Odour: Slight

Solubility: water miscible

Boiling range: > C

Density: >1.1g/ @ C

Flash point: > C

10. STABILITY AND REACTIVITY

Conditions to avoid: Avoid extremes of temperature e.g. below and above

Materials to Avoid: Avoid contact with strong oxidising agents, acids and bases

Hazardous breakdowns: Toxic fumes of oxides of carbon and nitrogen will be evolved in the event of fire.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 rat Dose > 2000mg/Kg

Eye irritation: Irritating (Rabbit)

Skin irritation: Irritating (rabbit/dermal)

Sensitization: Causes sensitization (Guinea pig/Dermal)

12. ECOLOGICAL INFORMATION

Mobility: Mobile liquid

Degradability: Will not readily biodegrade. Possible environmental impact, clean up immediately and do not allow discharge to drains

13. DISPOSAL CONSIDERATION

Liquid surplus or waste should be appropriately labelled. Disposal should be in accordance with current national and local regulations. Appropriate disposal is by incineration, authorisation by relevant source is required. Use approved hazardous waste disposal companies. Empty containers can be disposed of in a land fill site after cleaning, when in compliance with the environmental protection (duty of care) regulations 1991. When disposing of this material refer to sections 7 and 8.

14. TRANSPORT INFORMATION

UN-No: 3082

Class: 9

Packing Group: 111

ARD-IRD- labels: 9

Proper Shipping Name: Environmentally hazardous substance
Liquid, N.O.S (Bisphenol A Epoxy Resin)

15. REGULATORY INFORMATION

Chemicals (hazardous information and packaging) regulations 2002

Control of substances hazardous to health regulations 2002

Highly flammable liquids and liquefied petroleum gases regulations 1972 (as amended)

Road Traffic Regulations (CDG/CPL) 1994, (CDS) 1992

Environmental protection act

Hazardous Symbols:



Risk and safety phrases:

R36/38: Irritating to eyes and skin

R43: May cause sensitization by skin contact

R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S2: Keep out of reach of children

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S39: Wear eye/face protection

S61: Avoid Release to the environment. Refer to special instructions, safety data sheets

16. OTHER INFORMATION

Recommended use and restrictions: Refer to appropriate technical data sheet

Technical contact point: 01462 421 333

Health and safety contact point: 01462 421 333

Information sources: CHIP regulations, HSE guidance note EH40, Croners substances hazardous to health, Suppliers literature.

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