



Material Safety Data Sheet

1- IDENTIFICATION OF THE MATERIAL AND company :

Product Name: **Tri – floor SF part A**
solvent free Epoxy coat

Company:

Trichem company

For construction chemicals

Factory : 6 October city – Developers area-

Aloula industrial park - Plot no.14

www.trichem-eg.com

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2. HAZARDOUS IDENTIFICATION :

Human health Hazards: Harmful by inhalation to eyes and skin. May cause sensitisation by skin contact.

Safety hazards: Not classified flammable but will burn.

Environmental hazards: Toxic to aquatic organisms.

May causes long term adverse in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Substance Chemical family: Mixture of Epoxy Resin, Pigments and Fillers Reaction production of biphenyl A , epichlorohydrin and hardener.

Common name: liquid Epoxy Paint

CAS number: 25068-38-6

4.FIRST AID MEASURES:

Symptoms and effect: Irritation of the skin and eyes.

First AID – inhalation : Not specific measures.

First AID –skin : DO NOT DELAY, Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

First AID – Eye : DO NOT DELAY Flush eye with water. If persistent irritation occurs, obtain medical attention.

First AID –Ingestion : Do not induce vomiting. In the unlikely event of ingestion, obtain medical attention.

Advice to Physicians : If skin sensitization has developed and a causal relationship has been a confirmed, further exposure should not be allowed.

5. FIRE FIGHTING MEASURES :

Specific hazards : Not classified, as flammable. Carbon monoxide may be evolved if incomplete combustion occurs.

Extinguishing media –small fires : Dry chemical powder, carbon dioxide, foam, water spray fog, sand or earth.

Extinguishing media –large fires : Foam, water spray or fog.

Unsuitable extinguishing media : Water in a jet.

Protective equipment : Full protective clothing and self-contained breathing apparatus.

Other information : keep adjacent containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES:

Personal precaution: Avoid contact with eyes and clothing.

Personal Protection: Wear protective clothing specified for normal operation (see section 8)

Environmental precaution: Prevent contamination of soil and water. Prevent from spreading or entering into

drains, ditches or rivers by using sand, earth, or other appropriate barriers. If material enters drain. It should be pumped out into an open vessel. Emergency service may need to be called to assist in this operation.

Clean-up methods –small Absorb or contain liquid with sand, earth or spill control material Shovel up Spillage: and place in a labeled, sealable container for subsequent safe disposal. Scrub contaminated surface with detergent solution. Retain washing as contaminated waste. Put leaking containers in a labeled drums or overdrume.

Clean-up methods –large Transfer to a labeled, seal able container for product recovery or safe Spillage: disposal. Otherwise treat as for small spillage.

Other Information: See section 13 for information on disposal.

7. HANDLING AND STORAGE:

Handling : Avoid contact with skin, eyes and clothing.

Storage : Keep container tightly closed and dry. Palletized loads should be stacked to a maximum of 4 high.

Storage temperatures : Ambient.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational exposure standards : None established

Respiratory protection : Not normally required. In a confined space wear half mask respirator with organic by vapour cartridge and built-in particulate filter NPF 20.(gas only). If product is applied by spraying, wear self-contained breathing apparatus.

Protection for hands : Nitrile rubber gloves or butyl rubber gloves, gauntlet type.

Eye Protection : Monogoggles.

Protection for body : Standard issue work clothes. Safety shoes or boots – chemical resistant without lace holes.

9. PHYSICAL AND CHEMICAL PROPERTIES :

Physical state : viscous liquid

Colour : Grey, white , blue & different colors

Odour : Slight

Boiling point : > 200 0C

Vapour pressure : <0.01 Pa @ 20 0C

Flash point : > 200 0C

Autoignition : > 300 0C

Solubility in water: Circa 0.009 kg/m³ @ 23 0C

10. STABILITY AND REACTIVITY :

Stability : Stable under normal conditions. Reacts with strong oxidizing agents
Polymerises exothermically with amines, mercaptans and Lewis acids at eminent and above.

Polymerises in contact with caustic soda. Conditions to avoid: Caustic soda can Induce a vigorous polymerization at temperatures around 200 oC

Materials to avoid : Strong oxidizing agents. Caustic soda.

Hazardous decomposition : Hazardous decomposition products are not expected to form during normal

Product : storage.

11. TOXICOLOGICAL INFORMATION:

Basis for assessment : Information given is based on Product data.
Acute toxicity –oral : LD 50 > 2000mg/kg
Acute toxicity –dermal : LD 50 > 2000mg/kg
Eye irritation : Irritant
Skin irritation : Irritant
Respiratory irritation : Not irritating
Skin sensitisation : Skin sensitizer
Carcinogenicity : A recent review of the available data by the International Agency for Research on Cancer (IARC), has concluded that DGEBA is not classifiable as to its carcinogenicity.

Mutagenicity:

Mutagenicity : Positive in in vitro, but negative in in vivo assays.

12. ECOLOGICAL INFORMATION :

Basis for assessment : Incomplete ecotoxicological data are available for the substance.
Mobility : Soluble in water.
Persistence / degradability : Not readily biodegradable.
Bioaccumulation : Has the potential to bioaccumulate.
Acute toxicity – fish : Toxic, $1 < LC50 < 10$ mg/l.
Sewage treatment : Toxic, EC 50 > 10 mg/l, to organisms in sewage treatment plants.

13. DISPOSAL CONSIDERATIONS :

Precautions : See section 8. Refer to section 7 before handling the product or containers.
Waste disposal : Recover or recycle if possible. Otherwise incineration or dispose to licensed disposal contractor.
Product disposal : Recover or recycle if possible. Otherwise incineration or dispose to licensed disposal contractor.
Container disposal : Drain container thoroughly. Rinse three times with suitable solvent. Treat residues as for product disposal after draining vent in a safe place away from sparks and fire. Send to drums recovery or metal reclaimer.

Local Legislation:

14. TRANSPORT INFORMATION :

Transport Information:

Not dangerous for conveyance under UN, IMO and IATA/ICAO codes.
ADR/RID number: 90

15. REGULATORY INFORMATION:

Label information
EC label name: Epoxy Paint
EC Classification: Irritant. Dangerous for the environment.
EC Symbols: X, N
EC Risk phrases: R 36/38 Irritating to eyes and skin.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment
EC Safety phrases: S 24. Avoid contact with skin. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28 After contact with skin wash with plenty of soap and water S 37/39 Wear suitable gloves and eye/face protection.
S 61 Avoid release to the environment. Refer to special instruction/safety data sheets.

16. OTHER INFORMATION :

Uses and restrictions : Compositions for the building and civil engineer industries e.g. floor compounds,

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.