

Material Safety Data Sheet MONODECK COAT 30

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: MONODECK COAT 30

Chemical Family: Hardener component of two part High build, Solvent free, epoxy floor coating.

Manufacturer: Starke Construction Chemicals
Tel. +256 787 288 087

Email: info@starkepolymers.com

Website: www.Starke polymers.com

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Epoxy resin hardening agent.

Hazardous Ingredient(s): Polyoxypropylendi-amin, nonylphenol, 2-piperazin-1-ylethylamine, 2,4,6-tris(dimethylaminomethyl) phenol

| Symbol | Risk Phrases | CAS No. | % |
|----------|------------------------|------------|-------|
| C XN | R22, 34 | 9046-10-0 | 10-65 |
| C, Xn, N | R22, 34, 62, 50/53, 63 | 25154-52-3 | 10-55 |
| C XN | R21/22, 34, 43, 52/53 | 140-31-8 | 10-35 |
| Xi, Xn | R22, 36/38 | 90-72-2 | 10-35 |

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: •Corrosive.

- Harmful if swallowed.
- Causes burns.
- Irritating to eyes and skin.
- May cause sensitisation by skin contact.
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Possible risk of impaired fertility.
- Possible risk of harm to the unborn child.

Classification: C, Xn, N. R22, 34, 36/38, 43, 51/53, 62, 63.

4: FIRST AID MEASURES

Eyes: Irrigate opened eye immediately with copious quantities of water for 15 minutes. Obtain medical attention immediately.

Skin: Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothes and shoes. Obtain medical advice if irritation persists.**Inhaation:** Remove from exposure; obtain medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

General: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

5: FIRE FIGHTING MEASURES

Flash Point: > 100oC.

Special Exposure Hazards: Toxic fumes. Carbon monoxide (CO), Nitrogen oxides (NOx).

Extinguishing Media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. For safety reasons do not use Water with a full water jet.

Personal Protective Equipment: Self-contained breathing apparatus. Standard aluminized suit.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation immediately issue NO SMOKING and NO NAKED FLAMES warnings. Wear suitable protective clothing, gloves and eye/face protection

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Soak up with inert absorbent like sand. Gather into labeled containers. Dispose off as applicable regulations.

7: HANDLING AND STORAGE

Handling: Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Store in conformity with local fire regulations. Store away from sources of ignition. Keep away from food containers. Store at 15 - 25°C.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye contact: Safety glasses or chemical goggles.

Skin contact: Impervious gloves (e.g. PVC).

Respiratory protection: Breathing filters apparatus.

Engineering controls: Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Yellowish
Odour: Amine-like
Autoflammability (oC) Product is not selfigniting
Boiling Point (°C): >200
Explosive Properties (%): Product is not explosive
Flash Point (closed cup) (°C): >100
Relative density: 1.00 – 1.01
Water Solubility: Not miscible or difficult to mix

10: STABILITY AND REACTIVITY

Stability: contains volatile solvent, stable when used as directed.

Conditions to Avoid: Any source of ignition, temperature above 35°C

Chemical Incompatibility: strong acids, strong alkalis, strong oxidizing agent

Hazardous Decomposition Products: Thermal decomposition yield oxides of Carbon, Nitrogen compounds.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Expected oral LD50, rat >1000mg/kg. Classified as skin sensitizer.

Health Effects

On Eyes: Strong caustic effect.

On Skin: Corrosive - causes burns. May cause sensitization.

By Inhalation: Harmful by inhalation. May cause respiratory irritation.

By Ingestion: Harmful if swallowed. May cause irritation of mouth, throat and digestive tract. Ingestion of significant amounts may result in severe systemic effects.

Chronic: Repeated and prolonged skin contact will result in severe irritation leading to burns.

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed off as intended, no adverse environmental effects are foreseen.

Mobility: Mobile liquid. Insoluble in water.

Degradability: Not readily biodegradable.

Bioaccumulation: not known

Acute fish toxicity: Expected to be ecotoxic to fish/daphnia/algae.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Classified as a special waste. May be reacted with base component to give an inert polymeric material.

Used/Contaminated Product: Classified as a special waste. Dispose off through an authorized waste contractor to a licensed site.

Packaging: Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION

UN Number: 1760

Transport Name: Corrosive substances.

15: REGULATORY INFORMATION

Hazard Label Data:



CORROSIVE

| Transport Type: | Class: | Pack Group: | Marine Pollutant | |
|-----------------|-----------|-------------|------------------|-----|
| At Sea | IMDG | 8 | II | YES |
| Air Transport | IATA/ICAO | 8 | II | |
| At land | RID/ADR | 8 | III | |

16: REGULATORY INFORMATION

Hazard Label Data:



CORROSIVE



N

Dangerous to environment

Risk Phrases:

R22 Harmful if swallowed.
R34 Causes burns.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.

Safety Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60 This material and its container must be disposed of as hazardous waste.

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.



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