



SAFETY DATA SHEET

THOR POLYESTER STYRENE FREE HARDENER

Revision 0
Revision date

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name THOR POLYESTER STYRENE FREE HARDENER

Description CATALYST HARDENER COMPONENT OF A TWO PART CHEMICAL ANCHOR GROUT CONTAINING UNSATURATED RESIN AND DIBENZOYL CATALYST HARDENER.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients	Conc.	CAS	EINECS	Symbols/Risk phrases
Benzoyl peroxide (Dibenzoyl peroxide)	10 - 20%	94-36-0	202-327-6	E; R2 Xi; R36 R43

3. HAZARDS IDENTIFICATION

Main hazards Flammable Irritating to eyes. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Skin contact Remove from skin with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical advice.

Eye contact Irrigate with clean water for at least 15 minutes. Seek medical attention.

Inhalation Move patient to fresh air and allow to rest. If patient is slow to recover or unconscious, obtain medical assistance immediately.

Ingestion Drink plenty of water. Seek medical attention. DO NOT INDUCE VOMITING.

General information Summon immediate medical assistance on contact with skin, eyes, inhalation or ingestion. First Aiders should protect themselves from exposure. Refer to Section 8.

5. FIRE FIGHTING MEASURES

Extinguishing media Dry powders. CO2 and Alcohol foam. Not to be used: Halones.

Fire hazards Sealed containers heated can pressurise leading to explosion. Emits acrid black smoke and irritating fumes when heated to decomposition.

Protective equipment Wear self contained breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

Environmental precautions Do not discharge into sewers.

Clean up methods Scrape up and place into a suitable container for disposal. Wash area with water. Refer to Section 5, 8 and 13 for Protective Measures and Disposal.

7. HANDLING AND STORAGE

Handling No sparking tools should be used. Never bring into direct contact with accelerator.

Storage Catalyst: Keep away from heat and sources of ignition. Store in a cool dry place. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

THOR POLYESTER STYRENE FREE HARDENER	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

Benzoyl peroxide (Dibenzoyl peroxide)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

Respiratory protection If forced air extraction is unavailable in enclosed areas, an organic vapour mask will be required if the occupational exposure limit is exceeded.

Hand protection Wear gloves at all times.

Eye protection Not normally required during normal use. If splashing can occur, goggles should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Paste.
Colour	Grey.
Odour	Slight.
Flash point	above SADT 50°C
Oxidising	Oxidising
Relative density	1.45 g/cm ³
Water solubility	soluble in water.
Autoignition temperature	> 380 °C

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Materials to avoid Catalyst: Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators.

Hazardous decomposition products Hazardous Decomposition: Emits acrid smoke and irritating fumes of carbon oxides when heated to decomposition. Hazardous Polymerisation: Polymerisations in a closed container can give rise to pressure, which may rupture the vessel.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

THOR POLYESTER STYRENE FREE HARDENER Oral Rat LD50 = 7710 mg/m3

Acute toxicity Eye: Irritation and redness may occur. Skin: Irritation and redness may occur.
Sensitization Catalyst: Material is classified as a sensitiser and may cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

Degradability Vinyl toluene is expected to biodegrade in a waste water treatment plant and is not expected to bioconcentrate in aquatic organisms.
Further information Do not discharge into drains or the environment.

13. DISPOSAL CONSIDERATIONS

Disposal methods In an uncured state, place in a suitable container and dispose as chemical waste in accordance with local regulations. Small quantities of resin and catalyst may be reacted together, allow to cure and dispose as solid waste.

14. TRANSPORT INFORMATION

Further information Supply Label: Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Symbols Xi - Irritant



Risk phrases R10 - Flammable.
R36 - Irritating to eyes.
R43 - May cause sensitisation by skin contact.

Safety phrases S24 - Avoid contact with skin.
S37 - Wear suitable gloves.

16. OTHER INFORMATION

Text of risk phrases in Section 2 R2 - Risk of explosion by shock, friction, fire or other sources of ignition.
R36 - Irritating to eyes.
R43 - May cause sensitisation by skin contact.