

MRO 4025 – HEATSHEILD

Section 1: Product & Company Identification

Product Name / Trade Name
MRO 4025 - HEATSHEILD

Product Use
Protective Coating

Manufacturers / Suppliers Information
MRO INFRA LLP, VADODARA, INDIA

Pack Type / Size(s)
20 Kg Container

Emergency Telephone Number (0265) 2255770

Fax Number

Website www.mroinfra.com

Revision Date 18th October 2018

Revision Number 1

Section 2: Composition / Information On Ingredients

Component	CAS Number	Percent By Weight
Acrylic polymer emulsion	Not Required*	30-60
Titanium dioxide	13463-67-7	10-30
Inorganic extender	Not Required*	10-30
Additives	Not Required*	<10
Solvent - Non Hazardous (Flash Point >61 degree C)	Not Required*	<10
Water	7732-18-5	

Section 3: Hazards Identification

Not classified as hazardous.

Section 4: First Aid Measures

Eyes Immediately flush eyes with water for at least 15 minutes. Consult Physician if irritation persist.

Skin Flush skin with soap & water while removing contaminated cloths. Seek medical. Help if required. Wash contaminated cloths before reuse.

Ingestion If conscious, give large quantities of water. Induce vomiting.

Inhalation: Move the subject to fresh air. If not breathing, give artificial respiration. If Respiration is difficult, give Oxygen and seek help from physician.

Note to Physician: There is no specific antidote. Treatment should be given symptomatically on the clinical conditions.

Section 5: Fire Fighting Measures

Special Fire Fighting Procedures: Wear self-contained breathing apparatus or equivalent and full protective equipment.

Suitable Extinguishing Media: Material will not burn, however dried film may burn. Use Water, Dry Chemical Powder, CO2 to extinguish the fire.

Protection of Firefighters: Wear self-contained breathing apparatus for fire-fighting if necessary.

Unusual Fire and Explosion Hazards: Material will not burn. They may spatter if the temperature exceeds boiling point. Dried polymer films are capable of burning.

Section 6: Accidental Release Measures

Emergency Procedures:	Uncontrolled releases should be responded to by trained personnel using pre planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel. Eliminate all ignition sources.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Personal Precautions:	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.
Methods for Containment:	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling & Storage

Handling :	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls / Personal Protection

Engineering Control Measures	Adequate to prevent accumulation of vapours. Use mechanical means if necessary to maintain levels below the exposure limits.
Eyes & Face Protection	Face shield and safety glasses.
Hand Protection	Wear protective gloves. Rubber or polyethylene material is recommended. Consult manufacturer specifications for further information.
Respiratory Protection	Use respirators or self-contained breathing apparatus in confined areas and for emergencies. If good ventilation is maintained, none are required.
Skin Protection	Wear protective clothing. Clothing with full length sleeves and pants should be worn.
General Hygiene Considerations:	Handle according to established industrial hygiene and safety practices. Provide readily accessible eye wash stations and safety showers. Wash at end of shift and before eating, smoking, or using the toilet. Remove contaminated clothing and launder or discard

Section 9: Physical & Chemical Properties

Upper Flammability Limit:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	1.19
Solubility:	Insoluble
Partition Coefficient: n	Not Available
Octanol/Water:	
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	30,000 – 40,000 cps
Percent Volatile, wt. %:	0%
VOC Content, wt. %:	0%
Density:	1.3 g/cc
Coefficient of Water/Oil	Not Available
Distribution:	

Section 10: Chemical Stability & Reactivity

Stability	Stable under normal conditions
Conditions To Avoid	Amine compounds under uncontrolled conditions.
Chemical Incompatibility	Strong oxidizing agents.
Hazardous Decomposition	CO, CO ₂ , smoke, toxic vapors

Section 11: Toxicological Information

Primary Irritant Effect On the Skin: Irritant to skin and mucous membranes.

Primary Irritant Effect on the Eye: Irritating effect.

Swallowing: Can cause abdominal irritation, nausea, vomiting, and diarrhea.

Section 12: Ecological Information

Toxicity: All work practices must be aimed at eliminating environmental contamination.

Mobility in Soil : No further relevant information available.

Persistence / Degradability The product is partially biodegradable. Significant residue remains

Bioaccumulation Does not accumulate in organisms.

Ecotoxicological Effects Remark: Toxic for fish. Due to mechanical actions of the product damages may occur. The declared action may be partly caused by lack of oxygen.

Section 13: Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

Uncleaned Packaging: Empty containers may contain residue and may be dangerous. Do not attempt to refill or clean without proper instructions. Empty drums should be drained and stored safely for reconditioning or recycling.

Section 14: Transportation Information

Conveyance classification: Not classified

Section 15: Regulatory Information

Hazard classification: Irritant

Risk phrases: Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes.

Safety phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

NOTE: Contains soluble chromium controlled by the addition of a reducing agent to no more than 2ppm by dry weight of cement when mixed with water, for a period of 12 months from the date of manufacture shown on this package under the stipulated storage conditions. Use of this product after the end of this period or under different storage conditions may increase the risk of an allergic reaction.

Section 16: Other Information

To the best of our knowledge, the information contained herein is accurate. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user. It is not intended to constitute performance information concerning the product. No express warranty or implied warranty of merchant ability or fitness for a particular purpose is made with respect to the product or the information contained herein. However, they are supplied without warranty or guarantee of any kind either expressed or implied. The user is responsible for selecting and determining the suitability of products for purchaser's particular needs and we disclaim any responsibility for improper applications or misuse of our products in any manner whatsoever.

Product Use For Industrial Use Only

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