

MRO 5001 – KF 600

Section 1: Product & Company Identification

Product Name / Trade Name
MRO 5001 KF 600

Product Use
Fire Retardant Coating

Manufacturers / Suppliers Information
MRO INFRA LLP, VADODARA, INDIA

Pack Type / Size(s)
25 Kg Container

Emergency Telephone Number (91) 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
Aluminum oxide	1344-28-1	10-25
Zinc borate	1332-07-6	1-5

Section 3: Hazards Identification

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

HEALTH HAZARDS

Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified

Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

ENVIRONMENTAL HAZARDS

Hazardous to the Aquatic Environment: Not Classified

Acute aquatic toxicity: Not Classified

Chronic aquatic toxicity: Not Classified

Bioaccumulation potential: Not Classified

Rapid degradability: Not Classified

GHS Label elements, including precautionary statements

Pictogram: None

Signal Word: None

Hazard Statements: None

Precautionary Statements:

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

LABELING SYMBOLS: None

RISK R-PHRASES: None

SAFETY S-PHRASES:

S2 : Keep out of the reach of children.

SUMMARY OF ACUTE HAZARDS: May cause skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS INHALATION

Spray applications of this material may create aerosols, which may be irritating to the upper respiratory tract, nose, and throat.

EYE CONTACT: Contact may cause eye irritation.

MATERIAL SAFETY DATA SHEET-MSDS

SKIN CONTACT: Contact may cause skin irritation.
INGESTION: Possible irritation to mucous membranes of the mouth, throat, and stomach.
SUMMARY OF CHRONIC HAZARDS: None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer..

Section 4: FIRST AID MEASURES

If INHALED: Not a respiratory irritant.
If on SKIN: Wash with soap and water. If irritation occurs, seek medical attention.
If in EYES: Immediately flush with large amounts of water. If irritation occurs, seek medical attention.
If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Section 5: Fire Fighting Measures

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing.
Hazardous decomposition products possible (see Section 10).
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

Section 7: Handling & Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. To prevent freezing and possible rupture of container, do not store below 35° F (1.66°C)
OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers.
KEEP OUT OF REACH OF CHILDREN.

Section 8: Exposure Controls / Personal Protection

INGREDIENT	UNITS
Aluminum oxide	
ACGIH TLV	10 mg/m ³ (TWA)
OSHA PEL	10 mg/m ³ (TWA)
Zinc borate	
ACGIH TLV	N/D
OSHA PEL	N/D

RESPIRATORY PROTECTION (SPECIFY TYPE): None required.
VENTILATION - LOCAL EXHAUST: Acceptable
SPECIAL: N/A
MECHANICAL (GENERAL): Preferable
OTHER: N/A
PROTECTIVE GLOVES: Wear rubber gloves.
EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.
WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

Section 9: Physical & Chemical Properties

Boiling Point	>212F (100C)
pH:	8-10
Specific Gravity	N/D
Flash Point , TCC (°C)	None
Vapor Pressure (mm Hg):	N/D
Melting Point	N/D
Vapor Density (AIR = 1):	>1
Evaporation Rate (ETHYL ACETATE = 1):	1
APPEARANCE/ODOR:	Liquid
SOLUBILITY IN WATER:	Soluble

MATERIAL SAFETY DATA SHEET-MSDS

VOLATILE ORGANIC COMPOUNDS(VOC)
Content 6 g/L
(Theoretical Percentage By Weight):

LOWER EXPLOSION LIMIT N/D
UPPER EXPLOSION LIMIT N/D

Section 10: Chemical Stability & Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: None
INCOMPATIBILITY (MATERIALS TO AVOID): None known.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.
HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

CHRONIC HEALTH HAZARDS: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
TOXICOLOGY DATA
Ingredient Name (No data available unless listed below)

Section 12: Ecological Information

Ecological studies have not been conducted for this product.

Section 13: Disposal Considerations

Waste Classification: Non-regulated waste.
Disposal Method: Solidification and approved landfill.
Waste from this product is not considered hazardous. Consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines

Section 14: Transportation Information

DOT: Non-Regulated
OCEAN (IMDG): Non-Regulated
AIR (IATA): Non-Regulated

Section 15: Regulatory Information

Does not contain any ingredients or any listed substance as per Standard For Uniform Scheduling Of drugs & Poisons

REGULATORY DATA

Ingredient Name

Aluminum oxide

SARA 313	Yes
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Zinc borate

SARA 313	Yes
TSCA Inventory	Yes

Section 16: Other Information

None

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

Prepared By

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