

MRO 9012 – DIELECTRIC KOTE (52 KV)

Section 1: Product & Company Identification

Product Name / Trade Name MRO 9012 – DIELECTRIC KOTE (52 KV)	Product Use Coating
Manufacturers / Suppliers Information MRO INFRA LLP, VADODARA, INDIA	Pack Type / Size(s) 25 Kg (Part A 4.802 Kg + Part B 3.502 + Part C 0.624 gm + Part D 16.072 Kg) Container
Emergency Telephone Number (0265) 2255770	
Fax Number	
Website www.mroinfra.com	
	<i>Revision Date 18th October 2018</i>
	Revision Number 1

Section 2: Composition / Information On Ingredients

Component	CAS RN	%
Bisphenol A/ epichlorohydrin resin, liquid	25068-38-6	>60
QUARTZ SILICA	14808-60-7	25-40
Isophorone diamine	2855-13-2	30-60

Section 3: Hazards Identification

Environment: The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Risk Phrases: Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Use appropriate containment to avoid environmental contamination. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets. Contains epoxy constituents. See information supplied by the manufacturer.

Section 4: First Aid Measures

Eyes Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

Skin Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Ingestion Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable call a physician.

Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

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

Section 5: Fire Fighting Measures

Extinguishing Media:	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Hazardous Combustion Products	Carbon monoxide (CO). Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
Protective Measures in Fire:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Unusual Fire & Explosion Hazards:	No unusual fire or explosion hazards noted.
Special Fire Fighting Procedures:	No specific fire fighting procedure given. Keep run-off water out of sewers and water sources. Dike for water control.

Section 6: Accidental Release Measures

Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Environmental Precautions	Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alert to the Environmental Agency or other appropriate regulatory body.
Personal Precautions, protective equipment and emergency procedures:	Wear protective clothing as described in Section 8 of this safety data sheet.

Section 7: Handling & Storage

Precautions for safe Handling :	Provide good ventilation. Avoid forming spray/aerosol mists.
Conditions for safe storage, including any incompatibilities	Store in tightly closed original container in a dry cool and well-ventilated place. Keep in original container.
Storage Class :	Chemical storage.

Section 8: Exposure Controls / Personal Protection

Engineering Control Measures	Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.
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Eyes Protection	If risk of splashing, wear safety goggles or face shield.
Hand Protection	Use suitable protective gloves if risk of skin contact. Use protective gloves made of Butyl rubber.
Respiratory Protection	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Skin Protection	Wear apron or protective clothing in case of contact.
Other Protection:	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

Section 9: Physical & Chemical Properties

State	Thick Paste
Melting Range (°C)	Not Available
Boiling Range (°C)	Not Available
Flash Point (°C)	>100 (PMCC)
Decomposition Temp(°C)	Not Available
Auto ignition Temp (°C)	Not Available
Upper Explosive Limit (%)	Not Available
Lower Explosive Limit (%)	Not Available
Volatile Component (%vol)	Not applicable
Molecular Weight	Not applicable
Viscosity	11 Mins
Solubility in water (g/L) (1% solution)	Immiscible Not Available
pH (as supplied)	Not Available
Vapor Pressure (kPa)	Not Available
Specific Gravity (water=1)	1.32
Relative Vapor Density (air=1)	Not Available
Evaporation Rate	Not Available

Section 10: Stability & Reactivity

Reactivity	Reaction with: Acids. Alkalis. Amines.
Chemical Stability	Stable under normal temperatures conditions
Possibility of hazardous reactions	Not relevant.
Conditions To Avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	No specific or groups of materials are likely to react to produce a hazardous situation.
Hazardous Polymerization	Will not polymerize.
Hazardous decomposition products	When heated, vapors/gases hazardous to health may be formed.

Section 11: Toxicological Information

Inhalation	Gas or vapor may irritate respiratory system.
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Ingestion	May cause discomfort if swallowed.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Eye Contact	Irritating to eyes.
Route of entry	Skin and/or eye contact.

Section 12: Ecological Information

Eco toxicity:	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
Toxicity	Acute Fish Toxicity Very toxic to aquatic organisms.
Persistence and degradability	Degradability: The product is not expected to be biodegradable.
Bio accumulative potential	Bio accumulative Potential: No data available on bioaccumulation.
Mobility in soil	Mobility: Not relevant, due to the form of the product
Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB Substances.

Section 13: Disposal Considerations

General Information: Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Waste treatment methods: Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transportation Information

DOT Shipping Name:	Non-Regulated
DOT UN Number:	Not Applicable
DOT Hazard Class:	Not Applicable
DOT Packing Group:	Not Applicable

Section 15: Regulatory Information

Statutory Instruments: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice: Classification and Labeling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

Section 16: Other Information

General Information: The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Disclaimer : "This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment."

Product Use For Industrial Use Only

Prepared By

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