

MRO 1028 – FIRE PIPE KOTE

Section 1: Product & Company Identification

Product Name / Trade Name

MRO 1028 FIRE PIPE KOTE

Product Use

Corrosion resistant coating

Manufacturers / Suppliers Information

MRO INFRA LLP, VADODARA, INDIA

Pack Type / Size(s)

500 ml Aerosol

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
Trade secret mixture of ingredients	NA	Trade secret
Trade secret solvents blend	NA	Trade secret
Hydrocarbon Propellant	68476-85-7	20-70

Section 3: Hazards Identification

Emergency Overview

Warning: Danger. Extremely Flammable. Contents Under Pressure. May Cause Skin Irritation. Harmful Or Fatal If Swallowed. Do not use on energized equipment.

Potential Health Effects

Eyes Irritation to eyes including burning and redness.

Skin Repeated or prolonged contact may produce defatting of the skin leading to irritation, dermatitis or dryness.

Ingestion May result in gastrointestinal irritation, vomiting, nausea, abdominal discomfort or diarrhea.

Inhalation Small quantities may cause mild irritation to the respiratory tract. Repeated and prolonged exposure may cause irritation to the respiratory tract, headaches, nausea, dizziness.

Section 4: First Aid Measures

Eyes Flush with large amounts of water for 15 minutes. Obtain medical attention if soreness or redness persists.

Skin Remove contaminated clothing. Clean contaminated area by washing thoroughly with soap and water. Obtain medical attention if irritation persists.

Ingestion Do not induce vomiting if a large amount is ingested. If vomiting occurs naturally, lean victim forward to minimize risk of asphyxiation. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation Remove person to fresh air immediately. Give artificial respiration if necessary. If there is difficulty in breathing, obtain medical attention immediately.

Section 5: Fire Fighting Measures

Flash Point (°C) TCC Closed Cup: <-17 bulk liquid

Extinguishing Media Carbon dioxide, dry chemical powder, foam, water spray or fog

Products of Combustion Carbon monoxide and carbon dioxide

Explosion Hazards Up on exposure to high heat from fire, aerosol containers may explode.

MATERIAL SAFETY DATA SHEET-MSDS

Protective Measures For Fire Fighters Firefighters must wear protective gear for body, eyes and wear self contained breathing apparatus for protection from suffocation arising due to lack of oxygen and to protect from possible hazardous decomposition products. Use water to cool fire exposed containers to prevent pressure build up and from exploding.

Section 6: Accidental Release Measures

Containment Procedures -Spill / Leak Clean Up Try to contain and recover spilled product. Area should be ventilated with fresh air. Absorbent should be used to pick up by using earth, sand or other inert material. Transfer into suitable waste containers for disposal. In case of confined areas with limited air ventilation / circulation, use proper protective wear during cleanup.

Environmental Precautions Try to prevent the material from entering drains or water body. Do not flush into drains or water bodies.

Personal Precautions Refer to Section 8

Section 7: Handling & Storage

Handling Avoid contact with skin and eyes. Do not breathe vapors or mists. Use with well ventilation. Wear protective equipment during handling. Wash thoroughly after handling. Do not spray into or around energized surfaces or sources of ignition. Read instructions on label.

Storage Store in a cool, dry area. Store away from strong oxidizing agents or combustible material. Aerosol cans must be stored below 50°C to prevent from exploding.

Section 8: Exposure Controls / Personal Protection

Engineering Control Measures Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits.

Eyes & Face Protection Avoid eye contact. Wear chemical safety glasses / eye wear / goggles.

Hand Protection Under normal circumstance, not required. Use as needed to prevent prolonged or repeated contact. Protective gloves made from nitrile, neoprene or n-butyl rubber are suitable.

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 Use protective body gear in the event of prolonged or repeated exposure. Wash hands with soap and water after use and before breaks, lunch and at the end of work periods.

Section 9: Physical & Chemical Properties

Appearance	Liquid	Odor	Characteristic solvent
Color	Red	Initial Boiling Point (°C)	+61 °C
Specific Gravity (g/cm³)	0.70-0.90	Freezing Point	ND
Flash Point , TCC (°C)	<-17°C aerosol	Vapor Density(air = 1)	~3
Vapor Pressure	350 mmHg (38°C)	Decomposition Temperature	ND
Flammability Limits - Lower %	0.6	Evaporation Rate	<1
- Upper %	7	(ethyl ether = 1)	
Viscosity (at 25°C), cSt	ND	Auto Ignition Temperature (°C)	+300
Solubility In Water %	Negligible	pH	NA
		ND = Not determined NA = Not Applicable	

Section 10: Chemical Stability & Reactivity

Stability Stable under normal conditions

Conditions To Avoid Keep away from heat and sources of ignition

Chemical Incompatibility Strong oxidizing agents, alkalis and acids

Hazardous Decomposition Carbon monoxide and carbon dioxide; metal oxides

Hazardous Polymerization No

Section 11: Toxicological Information

Acute toxicity of this product has not been conducted

Section 12: Ecological Information

Ecological studies have not been conducted for this product.

Mobility	Product is semi volatile / gaseous state and may partly be absorbed into soil. It will float partially if released into water
Persistence / Degradability	Slightly / partially biodegradable
Bioaccumulation	Not expected to bioaccumulate

Section 13: Disposal Considerations

Product Disposal	This material if discarded may be hazardous waste. Empty aerosol cans thoroughly before discarding as waste. All disposal activities must meet governing, state and local regulations. Do not dump into sewers, on the ground or into water.
Packaging Disposal	Dispose of in accordance with local regulations.

Section 14: Transportation Information

<u>Road / Rail Transport</u>			
UN Number	1950	Class	2
Packing Group	NA	Classification Code	5F
Name & Description	Aerosols, Flammable	Hazard ID Number	NA
Labeling	2.1		
<u>Sea Transport (IMDG)</u>			
UN Number	1950	Class	2
Shipping Name	Aerosols	Subsidiary Risk	2.1
Labeling	NA	Packing Group	NA
Marine Pollutant	No	EmS	F-D, S-U
<u>Air Transport (IATA)</u>			
UN Number	1950	Class	2.1
Shipping Name	Aerosols, Flammable	Subclass	NA
Packing Group	NA	Packing Instructions	203, Y203(Ltd.Qty.)
Labeling	Flammable Gas		

Section 15: Regulatory Information

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

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

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