

MRO 1009 – 123 DL

Section 1: Product & Company Identification

Product Name / Trade Name

MRO 1011 - 123 DL

Manufacturers / Suppliers Information MRO INFRA LLP, VADODARA, INDIA

Emergency Telephone Number (91) 9586789992

Fax Number Website

www.mroinfra.com

Product Use

Dry film lubricant

Pack Type / Size(s) 500 ml Aerosol

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.

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

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

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

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

attention if irritation persists.

Do not induce vomiting if a large amount is ingested. If vomiting occurs naturally, lean victim forward to minimize risk Ingestion

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°C (0	°F) aerosol		
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.			
Protective Measures For Fire Fighters	Firefighters must wear protective gear for body, eyes and wear self contained breathing apparatu for protection from suffocation arising due to lack of oxygen and to protect from possible hazardou decomposition products. Use water to cool fire exposed containers to prevent pressure build up and from exploding.			
	Section 6: A	Accidental Release Measures		
Containment Procedures	Try to contain and recover spilled product. Area should be ventilated with fresh air. Absorbent shoul			
-Spill / Leak Clean Up	be used to pick up by using earth, sand or other inert material. Transfer into suitable waste contains 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	n 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: Expos	ure 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 go ventilation is maintained, none are required.			
Skin Protection		the event of prolonged or repeated e breaks, lunch and at the end of work p		
	Section 9: Ph	nysical & Chemical Properties		
Appearance	Liquid	Odor	Characteristic solvent	
Color	Black	Boiling Point	+61°C	
Specific Gravity (g/cm³)	0.80-0.90	Freezing Point	ND	
Flash Point , TCC	<-17°C aerosol	Vapor Density(air = 1)	~3	
Vapor Pressure	350 mmHg (38°C)	Decomposition Temperature	ND <1	
Flammability Limits – Lowe - Upper %	er % 0.6 7	Evaporation Rate (ethyl ether = 1)	\1	
Viscosity (at 25°C), cSt	/ ND	Auto Ignition Temperature	+300°C	
Solubility In Water %	Negligible	рН	NA	
TCC = Tag Closed Cup	. J 9	ND = Not determined	NA = Not applicable	
	Section 10: C	hemical Stability & Reactivity		
Stability	Stable under normal cond			
Conditions To Avoid	Keep away from heat an			

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

Road / Rail Transport

UN Number1950Class2Packing GroupNAClassification Code5FName & DescriptionAerosols, FlammableHazard ID NumberNA

Labeling 2.1

Sea Transport (IMDG)

UN Number 1950 Class 2 **Shipping Name** Aerosols **Subsidiary Risk** 2.1 **Packing Instructions** NA **Packing Group** NA **Marine Pollutant** Νo **EmS** F-D, S-U

Air Transport (IATA)

UN Number1950Class2.1Shipping NameAerosols, FlammableSubclassNA

Packing GroupNAPacking Instructions203, 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



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Product Use For Industrial Use Only

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