

# MATERIAL SAFETY DATA SHEET

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>	
Trade Name	<b>MET- L- GARD RP 206 BRG</b>
Manufacturer/Supplier	<b>ITW Chemin, ITW INDIA LIMITED</b>
Address	Plot No: 34 to 37, Phase- 2, IDA, APIIC, Pashamylaram, Medak, Dist- 502307, (35 kms from Hyderabad), Andhra Pradesh, <b>INDIA</b>
Phone Number	+91 8455 224700/224701
Fax Number	+91 8455 224705
E-mail	<a href="mailto:chemininfo@itwchemin.com">chemininfo@itwchemin.com</a>
Website	<a href="http://www.itwchemin.com">www.itwchemin.com</a>

## **2. COMPOSITION/INFORMATION ON THE COMPONENTS**

**No Hazardous components as per OSHA'S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200**

Component Name	CAS#	Concentration	Exposure Limits
Light Naphthenic oils	64742638	80-85%	None Established
Sodium sulphonate derivatives	Confidential	15-20%	None Established

### **3. HAZARD IDENTIFICATION**

Statement of hazardous/dangerous nature	<b>Hazardous substance. Dangerous goods</b>
Health Effects - Eyes	Irritant, not likely to cause permanent damage.
Health Effects - Skin	Prolonged contact may cause irritation.
Health Effects - Ingestion	If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.
Health Effects - Inhalation	Little, if any, effects caused by inhalation of the vapors from this product. In high concentrations, Head ache, Giddiness, Mental confusion, Nausea and irritation of upper respiratory passages.

### **4. FIRST AID MEASURES**

First Aid - Eyes	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
First Aid - Skin	Wash skin with soap and water. Apply a reconditioning skin cream.
First Aid - Ingestion	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
First Aid - Inhalation	Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing , give artificial respiration .Call for prompt medical attention.

### **5. FIRE FIGHTING MEASURES**

Extinguishing Media	Use foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	This product may give rise to hazardous fumes in a fire.

Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.
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## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid eye contact. Eliminate all ignition sources. Ventilate area.
Environmental Precautions	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Prevent entry into sewers and water ways.

## 7. HANDLING AND STORAGE

Handling	Keep away from heat, sparks and Flame. Keep containers tightly closed.
Storage	Store in well – ventilated area and in accordance with local regulations regarding flammable liquid.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection not normally required. If operating conditions create air borne Concentrations that are exceeding the exposure standards, the use of an approved Respirator is recommended.
Hand Protection	Avoid contact with skin or clothing. Wearing impervious protective clothing including gloves can minimize skin contact. Protective clothing made from neoprene, nitrile or n- butyl rubber is suitable in these applications.
Eye Protection	Avoid eye contact. Chemical safety goggles if there is a risk of eye contact.
Body Protection	Normal works wear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Color	Amber.
Odor	Mild petroleum base odor.
Vapor Density & vapor pressure	> 1 and < 1 respectively.
Rate of evaporation	< 1 (Bu Ac = 1)
Boiling Range/Point (°C)	Boils above 100. (190 – 230 deg C)
Flash Point (PMCC) (°C)	> 38 DEG C
Solubility in Water (kg/m3)	Not Miscible.
Density	0.87 (measured as kg/liter)
Auto-flammability (°C)	Above 150.
Viscosity (cSt)	Mobile liquid at ambient temperatures. (10 +/-1 CST @37.8C)

*The above mentioned values are typical ,can't be inferred as product specifications*

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	High temperatures.
<b>Materials to Avoid</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide, aldehydes and ketones may be formed.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	Low order of acute toxicity. Expected Oral LD50 > 2000mg/m3
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## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems, and all bodies of water.
<b>Persistence/Degradability</b>	The product is expected to be partially or slowly biodegradable.

## 13. DISPOSAL

<b>Product Disposal</b>	Place contaminated materials in disposable containers and dispose of in accordance with all applicable local and national regulations.
<b>Container Disposal</b>	Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.

## 14. TRANSPORT INFORMATION

Regulation	UN Number	Proper shipping name	Class	Subsidiary class	Packing group	Label	Additional information
ADG Classification	UN 1993	Flammable liquid	3	Not determined	III		Haz chem. Code : 3(y)  Emergency procedure guide : 3 A1
IMDG Classification	UN 1993	Flammable liquid	3	Not determined	III		Not determined
IATA Classification	UN 1993	Flammable liquid	3	Not determined	III		Not determined

## 15. REGULARITY INFORMATION

In gradients as per <b>Standard for the uniform scheduling of drugs and poisons</b>	No listed substance
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AUSTRALIA INVENTORY(AICS)	In compliance

CANADA INVENTORY(DSL)	In compliance
CHINA INVENTORY(IECS)	Not listed
JAPAN INVENTORY(ENCS)	Not listed
KOREA INVENTORY( ECL)	Not listed
US INVENTORY ( TSCA)	In compliance

## 16. OTHER INFORMATION

<b>Other information</b>	Rust preventive oils
<b>HMIS RATING</b>	<b>Health: 1      Reactivity: 1      Flammability: 2</b>
<b>Legal disclaimer</b>	The above information is believed to be correct but does not purport to be all-inclusive and shall be only used as guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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