

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	MET- L- GARD RWD 403
Manufacturer/Supplier	ITW Chemin, ITW INDIA LIMITED
Address	Plot No: 34 to 37, Phase- 2, IDA, APIIC, Pashammylaram, Medak, Dist- 502307, (35 kms from Hyderabad), Andhra Pradesh, INDIA
Phone Number	+91 8455 224700/224701
Fax Number	+91 8455 224705
E-mail	chemininfo@itwchemin.com
Website	www.itwchemin.com

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
Low Boiling hydrogen Treated Naphtha	64742-82-1	40-50%	None established
Sodium sulphonate derivatives	Confidential	15-25%	None Established

3. HAZARD IDENTIFICATION

Main Hazards	Flammable.
Health Effects - Eyes	Irritant, not likely to cause permanent damage.
Health Effects - Skin	Mild to severe skin irritant, Prolonged contact can cause redness, swelling and cracking of skin.
Health Effects - Ingestion	Swallowing may have the following effects:- irritation of mouth, throat and digestive tract. Nausea.
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.

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 C)
Flash Point (PMCC) (°C)	> 38.
Solubility in Water (kg/m3)	Not Miscible.
Density	0.82 (measured as kg/liter)
Auto-flammability (°C)	Above 150.
Viscosity (CSt)	Mobile liquid at ambient temperatures. (2-4 CST @37.8C)

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of acute toxicity. Expected Oral LD50 > 2000mg/Kg body weight.
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12. ECOLOGICAL INFORMATION

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

13. DISPOSAL

Product Disposal	Place contaminated materials in disposable containers and. Dispose of in accordance with all applicable local and national regulations.
Container Disposal	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 Standard for the uniform scheduling of drugs and poisons	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

	Other information	Rust preventive oils
	HMIS RATING	Health: 1 Reactivity: 1 Flammability: 2
	Legal disclaimer	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.

Ref No: RP/005; Rev Date: Aug, 2008; Previous Revision : Jan, 2006