

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	MET-L-GARD RP 631
Use of substance	Rust Preventive Oil
Manufacturer/Supplier	ITW Chemin, ITW INDIA PRIVATE LIMITED
Address	Plot No: 34-37, Phase- 2, IDA, TSIC, Pashamylaram, Sangareddy - 502307, INDIA
Phone Number	+91 8455 224700/01
Fax Number	+91 8455 224705
Emergency Cell Number	+919000031515
E-Mail	chemininfo@itwchemin.com
Website	www.itwchemin.com

2. HAZARD IDENTIFICATION

Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation
H226: Flammable liquid and vapor.
H30: Aspiration Hazard

Hazard Pictogram: GHS07: Exclamation mark
GHS02: Flame
GHS08: Health Hazard



Signal Word: Warning

Precautionary statements: P102: Keep out of reach of children
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
P240: Ground/Bond container and receiving equipment.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+233: Store in a well-ventilated place. Keep container

Other Hazards: Tightly closed.
This product is not identified as a PBT/vPvB substance.

3. COMPOSITION/INFORMATION ON THE COMPONENTS

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

<u>Component Name</u>	<u>CAS#</u>	<u>Concentration</u>
Mineral Solvent Oil	8006-64-2	55-70%
Solvent de-Waxed residual oil	64742-62-7	20-35%
Paraffinic derivatives	---	7-15%

4. FIRST AID MEASURES

4.1: First aid measures

4.2: Symptoms

Eye contact	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	Irritant, not likely to cause permanent damage.
Skin contact	Wash skin with soap and water. Apply a reconditioning skin cream.	Mild to severe skin irritant, Prolonged contact can cause redness, swelling and cracking of skin.
Ingestion	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.	Swallowing may have the following effects: - irritation of mouth, throat and digestive tract. Nausea

Inhalation

Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing, give artificial respiration. Call for prompt Medical assistance.

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.

5. FIRE FIGHTING MEASURES

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| 5.1 | Extinguishing Media | Use foam, dry chemical or carbon dioxide. |
| 5.3 | Advice for fire-fighters | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |
| 5.4 | Unsuitable Extinguishing Media | Do not use water jet |

6. ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal Precautions | Material can create slippery conditions underfoot. |
| 6.2 | Environmental Precautions | Try to prevent the material from entering drains or rivers. |
| 6.3 | Methods and material for containment and cleaning up | Contain and absorb using, sand or other inert material. Transfer into suitable containers for recovery or disposal. Flush area with water. |

7. HANDLING AND STORAGE

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| 7.1 | Handling | Keep away from heat, sparks and Flame. |
| 7.2 | Storage | Store in well – ventilated area and in accordance with local regulations regarding flammable liquid. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 | Control parameters | DNEL / PNEC No data available. |
| 8.2 | 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. |
| 8.3 | Individual protection measures, such as personal protective equipment | |
| | 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 work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.). Dark Amber Color Liquid
Odor Mild petroleum base Odour

Viscosity Mobile liquid at ambient temperatures

Melting Point/Freezing point Not determined

Initial boiling point and boiling range. Boils above 100°C

Flash point > 38°C

Evaporation rate, flammability (solid, gas), upper/lower flammability or explosive limits <1(B_u Ac=1)

Vapor pressure. <1

Vapor density. >1Kg/L

Density. 0.810-0.830 Kg/L

Solubility(ies). Not miscible in water

Partition coefficient: n-octanol/water. Not determined

Auto ignition temperature. Above 150°C

Decomposition temperature. Not determined

NOTE: The above data are typical values and cannot be inferred as specifications

10. STABILITY AND REACTIVITY

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| 10.1 | Reactivity | Stable under recommended transport or storage conditions |
| 10.2 | Chemical stability | Stable under normal condition |
| 10.3 | Possibility of Hazardous reaction | Hazardous reaction not occur under normal transport or storage condition |
| 10.4 | Condition to avoid | High temperatures |
| 10.5 | Incompatible material | Strong oxidizing agents. Strong acids |
| 10.6 | Hazardous Decomposition Products | After evaporation of water, combustion will generate: oxides of nitrogen, ammonia smoke, possibly thick and choking, resulting in zero visibility. |

11. TOXICOLOGICAL INFORMATION

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| 11.1 | Routes of exposure | Refer to section 4 of SDS for routes of exposure and corresponding symptoms |
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12. ECOLOGICAL INFORMATION

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| 12.1 | Eco toxicity | No data available |
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12.2	persistence and degradability	The product is expected to be partially or slowly biodegradable
12.3	Bio accumulative potential	No data available
12.4	Mobility in soil.	The product will leach into soil. The product is non- volatile and water- soluble and will partition to the aqueous phase.
12.5	Other adverse effects

13. DISPOSAL

13.1	Product Disposal/ Container Disposal	Incineration. Dispose of in accordance with all applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.
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14. TRANSPORT INFORMATION

14.1	UN number	1993
14.2	UN proper shipping name	Shipping name: "Flammable liquid" n.o.s (Turpentine)
14.3	Transport hazard class(es)	3
14.4	Packing group	III
14.5	Environmental hazards	Environmentally Hazard : No Marine Pollutant : No
14.6	EMS code	Fire : F-E ., Spill : S-E

15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	Flammable
15.2	Chemical Safety Assessment	None

Note The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national and local regulations or provisions.

16. OTHER INFORMATION

Product Use	For industrial use only. Rust preventive oil
SDS first issued	May 2016
SDS Revised on/Version #	May'2019/04

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.

