

Millennium Signatures Marking Systems Inc.

Phone: 905-639-0909

Email: info@millenniumsignatures.com

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION AND COMPANY DETAIL

Product Name: RPO/Polarized Oil
Product Code(s): RPO
Recommended Use: To protect against rust after the Electro-Chemical Etching Process
Manufacturers Name: Millennium Signatures Marking Systems Inc.
Address: 12-1550 Yorkton Court
Burlington, ON
L7P5B7
Emergency Telephone: (905) 639 0909, available during office hours, 8:30am - 4:00pm EST, Monday - Friday,
English. Fax Number: (905) 639-0919
Date Prepared: January 4, 2017

HMIS	
H	2
F	2
R	0
PPE [†]	
†Sec. 8	

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (specific chemical identity/ Common name):

SOLIDS:

LIQUIDS: Aliphatic petroleum distillates (CAS 64742-88-7) % BY WT: <55
Exposure limit:
ACGIH TLV/TWA: 100 PPM
OSHA PEL/TWA: 100 PPM
OTHER: This constituent may also contain CAS# 64742-47-8

Hydro-treated heavy paraffinic distillates (CAS 64742-54-7)% BY WT:<50
Exposure limit:
ACGIH TLV/TWA: 5 MG/M3 (OIL MIST)
ACGIH TLV/STEL: 10 MG/M3 (OIL MIST)
OSHA PEL/TWA: 5 MG/M3 (OIL MIST)
OTHER: This constituent may also contain CAS# 64742-65-0

This product contains no components, present in excess of 0.1% by weight, which are listed as carcinogens by IARC, NTP or OSHA.

TRADE SECRET: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 3 – HAZARD INFORMATION

Inhalation: Avoid inhalation of vapors or mists.
Ingestion: Not likely to be ingested.
Skin contact: Irritation upon contact with skin. Repeated or prolonged contact may produce irritation.

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Eye contact: Irritant upon direct contact.

Chronic effects have not been determined for the product as a whole.

SECTION 4 – FIRST AID MEASURES

Skin contact: Remove contaminated clothing immediately, and wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.

Eye contact: Flush thoroughly with water for at least fifteen minutes, lifting upper and lower lids to ensure even flushing. Seek medical attention.

Ingestion: Rinse mouth immediately. Never give anything to an unconscious person. Do not induce vomiting unless advised by a physician. Seek immediate medical attention.

Inhalation: If a person breathes in large amounts of this product, move the exposed person to fresh air at once. If breathing becomes difficult, administer oxygen and seek immediate medical attention.

Always seek medical attention if irritation continues.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash Point: 151.0°F (COC)

Auto-ignition temperature: N/A

Lower explosion limit: N/A

Upper explosion Limit: N/A

Suitable extinguishing media: Dry chemical, foam, CO₂, water fog

Special fire fighting procedures: Clear fire area, of unprotected personnel. Do not enter a confined space without a helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

Unusual fire and explosions hazards: None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
Persons not wearing protective equipment as stated in section 8 should be excluded from area of spill. Extinguish all flames in the vicinity. Dike spill and soak up with inert absorbent material. Place in appropriate containers and affix proper labels.

Other precautions: Use good personal hygiene. For industrial use only. Always wear appropriate personal protection to minimize direct contact and exposure.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in the event of spillage or chemical release:
Avoid contact with eyes, skin and clothing. Do not get into eyes, on skin, or clothing. Wash thoroughly after handling. Avoid breathing mist or vapor. Use only with adequate ventilation.

Storage requirement: store in well-ventilated, cool, dry area. Keep containers closed when not in immediate use, Store with compatible materials and equipment.

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Store contains away from heat/sparks/etc. Avoid excessive temperatures. Ground product to prevent build-up of static discharges. Use good personal hygiene.

SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Occupation Exposure Limits: N/A

Personal Protective Equipment:

Respiratory System: N/A
Skin and Body: Use good hygiene at all times. Synthetic apron.
Hands: Wear rubber, impervious gloves
Eyes: Wear safety goggles.
Other/Special: An eyewash station should be located nearby work area at all times for emergency use. Local exhaust recommended. Maintain adequate ventilation. If ventilation equipment is not sufficient to airborne concentrations below exposure limits a NIOSH approved respirator should be worn. Wash hands thoroughly before eating or smoking. Launder soiled clothing before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Amber
Odor: Characteristic odor
Odor Threshold: N/A
pH: N/A
Boiling Point: N/A
Melting / Freezing Point: Melting - N/A / Freezing - N/A
Flash Point: 151° F (C.O.C)
Fire Hazards in presence of various substances: N/A
Auto-ignition temperature: N/A
Explosive Properties: N/A
Lower explosion limit: N/A
Oxidizing properties: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A
Density: N/A
Solubility: Negligible
Vapor Density: N/A
Specific Gravity: 0.815

SECTION 10 – REACTIVITY DATA

Stability: Stable
Conditions to avoid: Keep away from heat, sparks, open flames or all sources of ignition.
Incompatibility: (materials to avoid) Strong oxidizing agents, strong acids, bases and some amines.

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Hazardous Decomposition or By-products: Carbon monoxide and carbon dioxide.

Hazardous polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: N/A NTP: N/A IARC: N/A OSHA: N/A

Health Hazards (Acute & Chronic);

Please refer to section III for information on potential health effects.

SECTION 12 – ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Follow all federal, state, local and corporate regulations for disposal, the disposal method and manner practices should be acceptable to good waste management practices and follow applicable codes and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT shipping description:

Combustible liquids, N.O.S.
(Petroleum Distillates)
Combustible liquid, NA 1993
PGIII ERG# 28
Not D.O.T. regulated in non-bulk packaging.

SECTION 15 – TRANSPORT INFORMATION

SARA 311 and 312 information:

This product contains the following substances defined as hazardous by OSHA hazard communication standard 29 CFR 1910, 1200 (d).

CAS#	chemical name	% by weight
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See Section 2

SARA 313 information:

This product contains none of the substances subject to the reporting requirements of section 313 of title II of the superfund amendments and reauthorization act of 1986 and 40 CFR part 372.

SECTION 16 – OTHER INFORMATION

Hazardous material identification system (HMIS) information see page one box.

Contact "C" = safety glasses, gloves , and synthetic apron.

Source of key data used to

SAFETY DATA SHEET

Compile Safety Data Sheet: Material Safety Data Sheet. Form OSHA-20

Issue Date: 26 February 1987

Changes to Issue: 8 June 2015

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