

**NATROCHEM, INC.**

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**MATERIAL SAFETY
DATA SHEET****LONDON OIL**

Date Revised: April 30, 1998

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SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: LONDON OIL
CHEMICAL NAME: Retene Rosin Oil

HMIS RATING	
Health	1
Flammability	1
Reactivity	0

SECTION II - HAZARDOUS INGREDIENTS

The component(s) listed below is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

INGREDIENT	CAS REGISTRY	PERCENT
Rosin Oil	68425-08-1	64.6

SECTION III - PHYSICAL DATA

Boiling Point: N/D
Vapor Pressure (mm Hg): Nil @ 77°F
Vapor Density (Air = 1): 0 @ 77°F
Solubility in Water: Insoluble
Appearance and Odor: Amber, terpenic oil with slight rosin odor.

Specific Gravity: 1.000
Percent Volatiles: 0
Evaporation Rate: N/D

SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): 325°F
FLAMMABLE LIMITS: N/E
AUTOIGNITION TEMPERATURE: N/E

EXTINGUISHING MEDIA: CO₂, dry powder, chemical foam, water fog, or mist.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid use of water, other than light spray. Firefighters and others exposed to products of combustion should wear self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known.

SECTION V - PERMISSIBLE EXPOSURE LIMITS

Not established.

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SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY- Eye and skin.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None.

NTP: No

IARC: No

OSHA: No

EFFECTS OF EXPOSURE-

EYES- May cause irritation.

SKIN- May cause irritation.

INHALATION- Inhalation of vapors may be irritating.

INGESTION- May cause gastrointestinal disorders.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE- None known.

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Immediately rinse with clean water for 15 minutes. Retract eyelids often. If irritation persists, seek medical attention.

SKIN CONTACT: Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effect or irritation develops.

MOLTEN ROSIN ON SKIN: Cool effected area as soon as possible in cold water. Be sure to leave rosin in place. Smother the rosin and affected area with Furacin soluble dressing. Cover affected area with protective bandage. As burn heals, rosin will loosen from flesh and flake off. Severe burns require additional medical treatment.

INHALATION: If overcome by exposure, remove victim to fresh air. Consult physician if irritation persists.

INGESTION: DO NOT induce vomiting. Consult a physician.

SECTION VIII - REACTIVITY DATA

STABILITY: This product is considered stable.

MATERIALS TO AVOID- Strong oxidizing agents or alkali.

CONDITIONS TO AVOID- Very high temperatures and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide and other unidentified organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA. Contain and recover.

WASTE DISPOSAL METHOD: In accordance with local, state, and federal regulations. Incineration of waste material in a permitted facility is the recommended disposal method. Landfilling in a licensed facility is a suitable alternative.

SECTION X - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Organic vapor canister although respiratory protection is generally not required during normal operation.

VENTILATION: Provide explosion proof ventilation as required to control airborne dust levels. The sum total of all ingredients may emit vapors during normal processing. All possible health effects are not known and individual sensitivities will vary. Effective exhaust ventilation should always be provided to draw dust, fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain ambient workplace atmosphere below the limits listed in Section V.

PROTECTIVE GLOVES: Impervious gloves to protect against contact with product.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, eye wash station, safety shower.

SECTION XI - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Handling can create explosive dust clouds. Eliminate ignition sources, use explosive proof equipment. Conveying and processing equipment should be spark-proof, well bonded and grounded. Avoid dust accumulations.

OTHER PRECAUTIONS: Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Launder contaminated clothing before reuse.

SECTION XII - ENVIRONMENTAL INFORMATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT
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NONE >

This information must be included in all MSDS's that are copied and distributed for this material.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUES:

Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102):

No RQ for product or any constituent greater than 1% or 0.1% (carcinogen).

SECTION XII - ENVIRONMENTAL INFORMATION

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-313):
No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).

Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312):

Rosin Oil: Immediate acute health and delayed chronic hazard (Irritant, eye and skin hazard).

The components of this product are included on the TSCA Chemical Substance Inventory.

TRANSPORTATION: Not regulated.

SECTION XIII - OTHER INFORMATION

Revision Note: Review of MSDS's, only change was Revision Date.

Prepared by: James L. Pye, Jr.

Title: Safety Coordinator

N/A = Not applicable N/D = Not determined N/DA = No Data Available
N/E = Not established

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