

Material Safety Data Sheet

Product Name: Oil INDUST R&O ISO 22, 32, 46, 68, 100, 150,
Product Code: FA522255, FA523255; 00C47062, FA524655, FA526855, FA521055; 00C43403, FA523355

II. HAZARDS IDENTIFICATION

Routes of Entry: Eye contact, Ingestion, Inhalation, Skin contact
Target Organs: Eyes
Chemical Interactions: No chemical interaction known to affect toxicity.
Medical Conditions Aggravated by Exposure: Personnel with pre-existing skin disorders should avoid contact with this product.

Acute Health Effects:
Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption: Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Chronic Health Effects:
Carcinogenicity: Not a carcinogen according to NTP, IARC, or OSHA.
Reproductive Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

HMIS Ratings:

Health: 2
Fire: 1
Reactivity: 0
PPE: B

NFPA Ratings:

Health: 1
Fire: 1
Reactivity: 0

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Petroleum distillates, hydrotreated heavy paraffinic	~ 100	64742-54-7	No PEL
Petroleum distillates, hydrotreated middle	0.1 - 1	64742-46-7	No PEL

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

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IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS.
Notes to Doctor:	No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:	Combustible at elevated temperatures
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
Fire and/or Explosion Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, Smoke
Flash Point:	210°C (410°F)
Flash Point Method:	COC
Autoignition Temperature (C°):	No data.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of in regular trash as product is not considered a hazardous waste. Used fluid should be disposed of at a recycling center. Do not flush to sewer.

VII. HANDLING AND STORAGE

Handling:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer.
Storage:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:	No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
Respiratory Protection:	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
Respirator Type(s):	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye Protection:	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
Skin Protection:	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves:	Neoprene, Nitrile

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	IDLH
Petroleum distillates, hydrotreated heavy paraffinic	No TLV	No STL	No IDLH
Petroleum distillates, hydrotreated middle	No TLV	No STL	No IDLH

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber
Odor:	Mild
Viscosity:	8.89 cSt @100°C
Solubility in Water:	Negligible; 0-1%
Evaporation Rate:	No data.
Boiling Point (C°):	No data.
Specific Gravity:	0.87
Bulk Density:	7.28 Lbs/Gallon
Flash Point (C°):	210
Autoignition Temperature (C°):	No data.
Upper Flammable Limit, % in air:	Unknown
Lower Flammable Limit, % in air:	Unknown

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

XI. TOXICOLOGICAL INFORMATION

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Ingestion: Lubricating oils are generally no more than slightly toxic if swallowed.
Inhalation: Harmful! Can cause systemic damage (see "Target Organs").
Absorption: Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.
Eyes (Draize score): No data.
Skin (Draize score): No data.
Sensitization: No data.

NIOSH Component Toxicology Data:

Chemical Name	CAS Number	LD₅₀/LC₅₀
Petroleum distillates, hydrotreated middle	64742-46-7	Inhalation LC50 Rat 4.6 mg/L 4 h; Oral LD50 Rat 7400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

XII. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.
Persistence: No data.
Bioaccumulation: Bioconcentration is not expected to occur.
Degradability: Biodegrades slowly.

XIII. DISPOSAL CONSIDERATIONS

Disposal of Packaging: Recycle containers whenever possible.
Disposal Methods: Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

XIV. TRANSPORTATION INFORMATION

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

XV. REGULATORY INFORMATION

TSCA Status: All components of this material are on the US TSCA Inventory or are exempt.
NAFTA Tariff Code: 2710.11.0000
State Restrictions: ND

Chemical Name	CAS #	Regulation	% Range
None Listed. CERCLA RQ			
Diphenylamine	122-39-4	SARA 313	0.01 - 0.1
Toluene	108-88-3	SARA 313	0.001- 0.01
None Listed.		SARA 312	
Y	64742-46-7	SARA 312 Immediate Health	0.1 - 1
Y	108-88-3	SARA 312 Immediate Health	0.001- 0.01
N	64742-46-7	SARA 312 Fire	0.1 - 1
Y	108-88-3	SARA 312 Fire	0.001- 0.01
None Listed.		SARA EHS	
None Listed.		TSCA 12b export notification	
None Listed.		CA Prop 65 - Cancer	
Toluene	108-88-3	CA Prop 65 - Dev. toxicity	0.001- 0.01
Toluene	108-88-3	CA Prop 65 - Reprod -fem	0.001- 0.01
None Listed.		Massachusetts RTK List	
None Listed.		New Jersey RTK List	
None Listed.		Pennsylvania RTK List	
None Listed.		Rhode Island Hazardous Substance List	
None Listed.		Minnesota Hazardous Substance List	

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Consumer Product Safety Improvement Act of 2008 General Conformity Certification:

This product has evaluated and certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

XVI. ADDITIONAL INFORMATION

Revision Date: 2011-11-29 10:12:15

Superseded By: 2008-02-19 15:43:11

Disclaimer: This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.