



# Material Safety Data Sheet Reciprocating Compressor Oil Synthetic Lubricant

An Oshkosh Corporation Company

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	IMT Reciprocating Compressor Oil
<b>Other/generic names:</b>	Synthetic hydrocarbon and ester blend
<b>Product use:</b>	Lubricant for air compressors
<b>Manufacturer:</b>	IMT
<b>In case of emergency:</b>	800-424-9300

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** A straw colored liquid with a mild petroleum odor. Repeated or prolonged contact may irritate skin and eyes. Mists can irritate respiratory tract. Can be ignited at elevated temperatures but is not considered "flammable". Discharge can be toxic to aquatic species. Keep out of sewers and waterways.

### Potential Health Hazards

Considered hazardous under the OSHA Hazard Communication Standard.

<b>Skin:</b>	May cause irritation, especially with prolonged or repeated contact.
<b>Eyes:</b>	Can irritate the eyes.
<b>Inhalation:</b>	Can cause respiratory irritation.
<b>Ingestion:</b>	May irritate digestive tract and cause nausea and discomfort. Of low oral toxicity.
<b>Delayed effects:</b>	None anticipated

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

Ingredient Name	NTP Status	IARC Status	OSHA List
No ingredients listed in this section.		=	=

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Weight %
Synthetic Hydrocarbon oils and esters	Trade secret	100

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

## 4. FIRST AID MEASURES

<b>Skin:</b>	Wash with soap and water. Remove contaminated clothing and laundry before reuse. If irritation develops, seek medical advice.
<b>Eyes:</b>	Rinse in running water for up to 15 minutes. Get medical assistance for persisting irritation.
<b>Inhalation:</b>	Remove to fresh air. Get medical assistance if irritation persists or for any other symptom.
<b>Ingestion:</b>	Do not induce vomiting. Get medical assistance for discomfort or any other symptom.
<b>Advice to physician:</b>	Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

### Flammable Properties

Flash Point & Method	518°F ( 270°C) Cleveland Open Cup
Autoignition Temperature:	Not established
Lower/Upper Flame Limits	Not established
Flame Propagation Rate (solids):	Not applicable
OSHA Flammability Class:	IIIB

Extinguishing Media:	Use foam, carbon dioxide, dry chemical or water spray. Solid water streams may spread burning liquid.
Unusual Fire And Explosion Hazards:	Burning liquid produces toxic and irritating fumes. Burning liquid may also float on water.
Special Fire Fighting Precautions/Instructions:	Wear self contained breathing apparatus. Avoid prolonged contact with liquid.

## 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILL OR OTHER RELEASE:** Wear proper protective clothing. Pick up spilled articles and place into container. Small spills: Absorb spilled material with clay or other inert absorbent. Place into drums for disposal. (See section 13). Large spills: Dike spilled material with clay or soil. Pump into containers for disposal. Do not allow liquid to enter sewers or waterways.

## 7. HANDLING AND STORAGE

Normal Handling:	Avoid contact with skin and eyes. Do not breathe product mists.
Storage Recommendations:	Store in a clean, dry area and keep containers closed. Do not store with oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** General mechanical ventilation is sufficient for most circumstances. Local exhaust may be required if product mists are formed.

### Personal Protective Equipment

Skin Protection:	Wear neoprene or other oil resistant impervious gloves.
Eye Protection:	Wear safety glasses with eye shield while handling product.
Respiratory Protection:	Not normally required for properly ventilated areas
Additional Recommendations:	A source of running water. May include safety shower or eyewash.

### Exposure Guidelines

Ingredient Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aniline	TWA: 2 ppm	TWA: 19 mg/m <sup>3</sup>	100 ppm
Phenothiazine	TWA: 5 mg/m <sup>3</sup>	Skin: TWA 5 mg/m <sup>3</sup>	TWA 5 mg/m <sup>3</sup>

\* = NIOSH REL

\*\* = Workplace Environmental Exposure Level (AIHA).

\*\*\* = Biological Exposure Index (ACGIH).

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Other Exposure Limits For Potential Decomposition Products: None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear and Bright
<b>Physical State:</b>	Liquid
<b>Molecular Weight:</b>	Mixture
<b>Chemical Formula:</b>	Mixture
<b>Odor:</b>	Mild petroleum odor
<b>Specific Gravity (water = 1.0):</b>	0.86
<b>Solubility In Water (wt. %):</b>	Negligible
<b>Boiling Point:</b>	Not determined
<b>Viscosity</b>	68 cSt @ 104 °F (40 °C)
<b>Flash Point</b>	518°F (270°C)
<b>Autoignition Temperature</b>	Not established
<b>Lower/Upper Flame Limits</b>	Not established

## 10. STABILITY AND REACTIVITY

<b>Normally Stable? (Conditions To Avoid):</b>	Normally stable.
<b>Incompatibilities:</b>	Avoid contact with oxidizers or acids. Oxidizers may cause ignition. Acids may react with product.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide, carbon monoxide, hydrocarbons.
<b>Hazardous Polymerization:</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Immediate (acute) effects:

Product has not been tested as a mixture but most components are of low oral toxicity. Major components are mildly irritating but can cause irritation with repeated or prolonged exposure.

### Delayed (subchronic and chronic) effects:

Based upon ingredients, no effects anticipated.

### Other Data:

Carcinogenicity	ACGIH – A3 - Aniline		
Endocrine Disruptor	Not available		
<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
N-Phenyl-beta-naphthylamine	8730 mg/kg (Rat)		
Aniline	250 mg/kg (Rat)	1400 mg/kg (Rat)	
Phenothiazine	1330 mg/kg (Rat)	9400 mg/kg (Rabbit)	200 mg/L (Rat) 1 h

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## 12. ECOLOGICAL INFORMATION

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea
Aniline		LC50 = 75.5 mg/L 96 h	EC50 = 425 mg/L 5 min	

## 13. DISPOSAL CONSIDERATIONS

### RCRA

Is the unused product a RCRA hazardous waste if discarded?	No
If yes, the RCRA ID number is:	

**Other Disposal Considerations:** Observe all Federal, State, and Local Environmental regulations. Do not send this product to a landfill. It is recommended that this product be incinerated in a licensed facility. The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

This product contains one or more substances that are listed with the State of California as a hazardous waste – Aniline

## 14. TRANSPORT INFORMATION

US DOT Proper Shipping Name:	Not regulated
US DOT Hazard Class & Packing Group:	Not regulated
US DOT ID Number:	Not regulated

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

## 15. REGULATORY INFORMATION

### Toxic Substances Control Act (TSCA)

TSCA Inventory Status:	All ingredients are listed on the TSCA chemical inventory.
Other TSCA Issues:	None

### SARA Title III/CERCLA

Reportable Quantities (RQs) and/or Threshold Planning Quantities (TPQs) exist for the following ingredients.

Ingredient Name	SARA/CERCLA RQ (lb)	SARA EHS TPQ (lb)
No ingredients listed in this section.	-----	-----

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

Section 311 Hazard Class: Immediate

### SARA 313 Toxic Chemicals:

The following metallic components are listed as SARA 313 "Toxic Chemicals" and potential subject to annual SARA 313 reporting. Weight percents are found in Section 3.

Ingredient Name	Comment
No ingredients listed in this section.	

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## State Right-To-Know

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phenothiazine	X	X	X		X

## Other Regulatory Information:

<b>WHMIS Classification (Canada):</b>	D2B This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
<b>Foreign Inventory Status:</b>	Some ingredients are not listed on the Canadian DSL.

**California Proposition 65:** This product contains a substance on the list of Proposition 65 chemicals.

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## 16. OTHER INFORMATION

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<b>HMIS Ratings</b>	Health 1, Fire 1, Reactivity 0
<b>Current Issue Date:</b>	March 20, 2012
<b>Previous Issue Date:</b>	
<b>Changes To MSDS From Previous Issue Date Are Due To The Following:</b>	

<b>NFPA</b> 	<b>HMIS</b> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="background-color: #0000FF; color: white;">Health Hazard</td> <td style="text-align: center; font-weight: bold;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Fire Hazard</td> <td style="text-align: center; font-weight: bold;">1</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center; font-weight: bold;">0</td> </tr> </tbody> </table>	Health Hazard	1	Fire Hazard	1	Reactivity	0	<b>PPE</b> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">               Eye protection         </div> <div style="text-align: center;">               Gloves         </div> </div>	<b>Transport Symbol</b>  <b>Not Regulated</b>
Health Hazard	1								
Fire Hazard	1								
Reactivity	0								