

## 1. Chemical Product and Company Identification

**Material name** OAK® 15A-1  
METALWORKING OIL

**Version #** 01

**Issue date** 12-15-2014

**CAS #** Mixture

**MSDS Number** Not applicable

**Recommended use** METALWORKING OIL

**Manufacturer**

**Company name** CIMCOOL® Industrial Products LLC  
3000 Disney Street  
Cincinnati, Ohio 45209  
513-458-8199

**Telephone (General Information)**

**Emergency telephone number** 1-800-424-9300 (CHEMTREC)

**Emergency telephone number (outside USA)** 1-703-527-3887 (CHEMTREC)

**Supplier**

**Company name** Milacron Canada Corp.  
**Address** 1175 Appleby Line Road, Unit B-1  
Burlington Ontario L7L5H9 Canada  
905-319-1919

**Telephone (General Information)**

**Emergency telephone number (outside USA)** 1-703-527-3887 (CHEMTREC)

## 2. Hazards Identification

**Emergency overview** Harmful if inhaled. Causes eye irritation. May cause skin irritation. May be harmful if swallowed. Avoid prolonged contact with eyes, skin and clothing.

**Potential health effects**

**Routes of exposure** Inhalation. Eye contact. Skin contact. Ingestion.

**Eyes** Causes eye irritation. Do not get this material in contact with eyes.

**Skin** May cause skin irritation. Avoid contact with the skin.

**Inhalation** Harmful if inhaled. May cause irritation of respiratory tract.

**Ingestion** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest.

## 3. Composition/Information on Ingredients

Components	CAS #	Percent
DISTILLATES, PETROLEUM, CLAY-TREATED HEAVY NAPHTHENIC	64742-44-5	60 - 100
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES	64742-52-5	5 - 10
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC	64742-55-8	1 - 5
Other components below reportable levels		3 - 7

## 4. FIRST AID MEASURES

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

<b>Skin contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Inhalation</b>	If symptoms are experienced, remove source of contamination or move victim to fresh air. Get medical attention if symptoms persist.
<b>Ingestion</b>	Rinse mouth thoroughly. Do not induce vomiting. Do not give liquids. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<b>General advice</b>	Get medical attention if symptoms occur. Show this safety data sheet to the doctor in attendance.

## 5. FIRE FIGHTING MEASURES

<b>Flammable properties</b>	The product is not flammable.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemicals. Dry chemical powder. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Protective equipment for firefighters</b>	Wear suitable protective equipment.
<b>Fire fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes. Move container from fire area if it can be done without risk.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not applicable.
<b>Sensitivity to mechanical impact</b>	Not applicable.
<b>Hazardous combustion products</b>	Smoke, fumes, and oxides of carbon
<b>General fire hazards</b>	Combustible liquid.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination. Contact local authorities in case of spillage to drain/aquatic environment.
<b>Methods for containment</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	<p>Local authorities should be advised if significant spillages cannot be contained. The product is immiscible with water and will spread on the water surface. Extinguish all flames in the vicinity.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the MSDS.</p>
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

### Handling

Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not breathe vapor. Do not ingest. Do not get this material on clothing. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Use only in well-ventilated areas. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Practice good housekeeping. Handle and open container with care. Do not empty into drains.

### Storage

To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Keep containers closed when not in use. Keep this material away from food, drink and animal feed. Store in original container. Store away from incompatible materials (see Section 10 of the MSDS). Do not allow material to freeze. Room temperature - normal conditions. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure limits

#### ACGIH

	Type	Value
DISTILLATES, PETROLEUM, CLAY-TREATED HEAVY NAPHTHENIC (CAS 64742-44-5)	TWA	5 mg/m3
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)	TWA	5 mg/m3
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)	TWA	5 mg/m3

#### U.S. - OSHA

	Type	Value
DISTILLATES, PETROLEUM, CLAY-TREATED HEAVY NAPHTHENIC (CAS 64742-44-5)	PEL	5 mg/m3
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)	PEL	5 mg/m3
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)	PEL	5 mg/m3

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Engineering controls

Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

### Personal protective equipment

#### Eye / face protection

Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is recommended.

#### Skin protection

Wear suitable protective clothing and gloves. Use protective gloves made of: Nitrile.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	CLEAR
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	CHEMICAL
Odor threshold	Not available.
pH	Not Applicable
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not Applicable
Melting point/Freezing point	Not available.
Solubility (water)	Insoluble
Specific gravity	0.9
Relative density	Not available.
Flash point	250 °F (121.1 °C) Cleveland Open Cup
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Other data	
Flash point class	Combustible IIIB
VOC ASTM D2369	4 %

## 10. Stability and Reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Avoid contact with oxidizers or reducing agents. Strong acids. Strong oxidizing agents.
Hazardous decomposition products	Smoke, fumes, and oxides of carbon
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological data

Components	Species	Test Results
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	2.18 mg/l, 4 hr
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
DISTILLATES, PETROLEUM, CLAY-TREATED HEAVY NAPHTHENIC (CAS 64742-44-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg
<i>Inhalation</i>		
LC50	Rat	2.18 mg/l, 4 hr

Components	Species	Test Results
<i>Oral</i> LD50	Rat	> 5000 mg/kg
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)		
<b>Acute</b>		
<i>Dermal</i> LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i> LC50	Rat	2.18 mg/l, 4 hr
<i>Oral</i> LD50	Rat	> 5000 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Acute effects</b>	Harmful if inhaled. May be harmful if swallowed.
<b>Chronic effects</b>	Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Symptoms and target organs</b>	Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin.
<b>Further information</b>	Symptoms may be delayed.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Contains a substance which causes risk of hazardous effects to the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Aquatic toxicity</b>	Not classified.
<b>Persistence and degradability</b>	Not available.
<b>Mobility in environmental media</b>	The product is immiscible with water and will spread on the water surface.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

## 14. Transport Information

<b>TDG</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

<b>Canadian regulations</b>	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
<b>WHMIS status</b>	Controlled
<b>WHMIS classification</b>	D2B - Other Toxic Effects-TOXIC

**Inventory status**

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. OTHER INFORMATION****HMIS® ratings**

Health: 1  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 1  
Flammability: 1  
Instability: 0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Prepared by**

Ann Ball

**This data sheet contains changes from the previous version in section(s):**

This document has undergone significant changes and should be reviewed in its entirety.