

## 1. Chemical Product and Company Identification

**Material name** **CIMFREE® VG-S175**  
METALWORKING FLUID

**Version #** 01

**Issue date** 06-03-2015

**CAS #** Mixture

**MSDS Number** Not applicable

**Recommended use** METALWORKING FLUID

**Manufacturer**

**Company name** CIMCOOL® Industrial Products LLC  
3000 Disney Street  
Cincinnati, Ohio 45209  
513-458-8100

**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** May be irritating to eyes. May be irritating to the skin. Avoid prolonged contact with eyes, skin and clothing.

**Potential health effects**

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

**Eyes** May irritate eyes. Avoid contact with eyes.

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

**Inhalation** May cause irritation of respiratory tract.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Signs and symptoms** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Potential environmental effects** May cause long-term adverse effects in the environment.

## 3. Composition/Information on Ingredients

Non-hazardous components	CAS #	Percent
TRICRESYL PHOSPHATE	1330-78-5	1 - 5
Other components below reportable levels		60 - 100

## 4. FIRST AID MEASURES

**First aid procedures**

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

<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>Eye contact</b>	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 if symptoms occur.
<b>Ingestion</b>	Rinse mouth thoroughly. Do not give liquids. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
<b>General advice</b>	IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

## 5. FIRE FIGHTING MEASURES

<b>Flammable properties</b>	Not flammable by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). 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>	In the event of fire and/or explosion do not breathe fumes.
<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

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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. Contact local authorities in case of spillage to drain/aquatic environment. Use appropriate containment to avoid environmental contamination.
<b>Methods for containment</b>	Stop leak if you can do so 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>	Should not be released into the environment. The product is immiscible with water and will spread on the water surface.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. Clean up in accordance with all applicable regulations. For waste disposal, see section 13 of the MSDS.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. When using do not eat or drink. Do not use in areas without adequate ventilation. Wash thoroughly after handling. Avoid release to the environment.
<b>Storage</b>	To maintain product quality, do not store in heat or direct sunlight. Store in a closed container away from incompatible materials. Room temperature - normal conditions. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the MSDS). Keep this material away from food, drink and animal feed. Do not allow material to freeze. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Engineering controls</b>	Ensure adequate ventilation, especially in confined areas. Eye wash fountain and emergency showers are recommended.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles). Avoid contact with eyes. Eye wash fountain is recommended.
<b>Skin protection</b>	Wear suitable protective clothing and gloves.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Use protective gloves made of: Nitrile.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	CLEAR
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Not available.
<b>Odor</b>	CHEMICAL
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not Applicable
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	511 °F (266.11 °C)
<b>Melting point/Freezing point</b>	Not Determined
<b>Solubility (water)</b>	Insoluble in Water
<b>Specific gravity</b>	0.93
<b>Relative density</b>	Not available.
<b>Flash point</b>	> 510 °F (> 265.6 °C)
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Evaporation rate</b>	Not Applicable
<b>Other data</b>	
<b>VOC ASTM D2369</b>	0 %

## 10. Stability and Reactivity

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Avoid contact with oxidizers or reducing agents.

<b>Hazardous decomposition products</b>	Smoke, fumes, and oxides of carbon
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological data

Components	Species	Test Results
TRICRESYL PHOSPHATE (CAS 1330-78-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	3000 mg/kg
<b>Acute effects</b>	Expected to be a low hazard for usual industrial or commercial handling by trained personnel.	
<b>Sensitization</b>	Not classified.	
<b>Chronic effects</b>	Not expected to be hazardous by WHMIS criteria.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation. Defatting, drying and cracking of skin.	
<b>Serious eye damage/irritation</b>	Causes eye irritation. Direct contact with eyes may cause temporary irritation.	
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Reproductive effects</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Teratogenicity</b>	Not classified.	
<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>Synergistic materials</b>	Not applicable.	
<b>Further information</b>	Symptoms may be delayed.	

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

Components	Species	Test Results
TRICRESYL PHOSPHATE (CAS 1330-78-5)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) 2.3 - 4.5 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss) 0.21 - 0.32 mg/l, 96 hours
<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 available.	
<b>Persistence and degradability</b>	Not available.	
<b>Partition coefficient</b>		
TRICRESYL PHOSPHATE	5.11	
<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 allow this material to drain into sewers/water supplies. 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

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

### Canadian regulations

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.

### WHMIS status

Controlled

### WHMIS classification

D2B - Other Toxic Effects-TOXIC

### WHMIS labeling



### International Inventories

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
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)	Yes
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

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### 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.