

## 1. Chemical Product and Company Identification

<b>Material name</b>	<b>CIMGUARD® 10</b> CORROSION PREVENTIVE
<b>Version #</b>	03
<b>Issue date</b>	01-12-2015
<b>Revision date</b>	02-17-2015
<b>Supersedes date</b>	02-04-2015
<b>CAS #</b>	Mixture
<b>MSDS Number</b>	Not applicable
<b>Recommended use</b>	CORROSION PREVENTIVE
<b>Manufacturer</b>	
<b>Company name</b>	CIMCOOL® Industrial Products LLC 3000 Disney Street Cincinnati, Ohio 45209
<b>Telephone (General Information)</b>	513-458-8199
<b>Emergency telephone number</b>	1-800-424-9300 (CHEMTREC)
<b>Emergency telephone number (outside USA)</b>	1-703-527-3887 (CHEMTREC)
<b>Supplier</b>	
<b>Company name</b>	Milacron Canada Corp.
<b>Address</b>	1175 Appleby Line Road, Unit B-1 Burlington Ontario L7L5H9 Canada
<b>Telephone (General Information)</b>	905-319-1919
<b>Emergency telephone number (outside USA)</b>	1-703-527-3887 (CHEMTREC)

## 2. Hazards Identification

<b>Emergency overview</b>	Combustible liquid. Causes eye irritation. Causes skin irritation. Harmful if inhaled. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Avoid prolonged contact with eyes, skin and clothing.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Inhalation. Skin contact. Ingestion. Eye contact.
<b>Eyes</b>	Causes eye irritation. Do not get this material in contact with eyes.
<b>Skin</b>	Causes skin irritation. Avoid contact with the skin.
<b>Inhalation</b>	Harmful if inhaled. May cause respiratory irritation.
<b>Ingestion</b>	Pulmonary aspiration hazard if swallowed and/or vomiting occurs - can enter lungs and cause damage. Do not ingest.

## 3. Composition/Information on Ingredients

Components	CAS #	Percent
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.	64742-88-7	15 - 40
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	1 - 5
Other components below reportable levels		40 - 70

## 4. FIRST AID MEASURES

<b>First aid procedures</b>	
<b>Inhalation</b>	If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention.

<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 immediately.
<b>Ingestion</b>	Rinse mouth thoroughly. Do not induce vomiting. Do not give liquids. Get medical advice/attention if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<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>	Combustible by WHMIS criteria. Heat may cause the containers to explode.
<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>Protective equipment for firefighters</b>	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<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. Move containers from fire area if you can do so without risk. 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, oxides of nitrogen, and oxides of carbon

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Keep unnecessary personnel away. 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 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>	Extinguish all flames in the vicinity. Local authorities should be advised if significant spillages cannot be contained. 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. Do not flush spill to drain. 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. Do not get in eyes, on skin, or on clothing. Do not ingest. Avoid prolonged and repeated contact. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wash thoroughly after handling. Handle and open container with care. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Do not empty into drains.
<b>Storage</b>	To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Store in original tightly closed container. Keep containers closed when not in use. Keep away from food, drink and animal feedings. Store away from incompatible materials (see Section 10 of the MSDS). Store in a well-ventilated place. Room temperature - normal conditions. 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

### Occupational exposure limits

#### ACGIH

	Type	Value	Form
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)	TWA	200 mg/m3	Vapor.

#### US. ACGIH Threshold Limit Values

	Type	Value	Form
DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

	Type	Value	Form
DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

#### U.S. - OSHA

	Type	Value
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)	TWA	2000 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.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

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>	> 355 °F (> 179.44 °C) estimated
<b>Melting point/Freezing point</b>	Not Determined
<b>Solubility (water)</b>	Insoluble
<b>Specific gravity</b>	0.84
<b>Relative density</b>	Not available.
<b>Flash point</b>	153 °F (67.2 °C) Setflash
<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>Other data</b>	
<b>Flash point class</b>	Combustible IIIA
<b>VOC ASTM D2369</b>	76 %

## 10. Stability and Reactivity

<b>Chemical stability</b>	Risk of ignition. Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Strong oxidizing agents. Strong acids. Avoid contact with acids and oxidizing substances.
<b>Hazardous decomposition products</b>	Smoke, fumes, oxides of nitrogen, 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
DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2700 mg/kg
<i>Oral</i>		
LD50	Guinea pig	2000 mg/kg
	Mouse	2400 mg/kg
	Rabbit	2200 mg/kg
	Rat	4500 mg/kg
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.28 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
<b>Acute effects</b>	Narcotic effects. Harmful if inhaled.	
<b>Sensitization</b>	Not classified.	
<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>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation. Defatting, drying and cracking of skin.
<b>Serious eye damage/irritation</b>	Causes serious eye 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>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Defatting of the skin.
<b>Synergistic materials</b>	Not available.
<b>Further information</b>	Symptoms may be delayed.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

Components	Species	Test Results
DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5)		
<b>Aquatic</b>		
Fish	LC50 Bluegill ( <i>Lepomis macrochirus</i> )	1300 mg/l, 96 hours
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50 Daphnia	1.4 mg/l, 48 hours
Fish	LC50 Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> )	2 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>	
DIETHYLENE GLYCOL MONOBUTYL ETHER	0.56
<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>	
<b>UN number</b>	UN1268
<b>UN proper shipping name</b>	PETROLEUM PRODUCTS, N.O.S. (ALIPHATIC PETROLEUM DISTILLATES)
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Not available.
<b>Special precautions for user</b>	Read safety instructions, MSDS and emergency procedures before handling.

Supplemental Information: This material may be transported by Road or Rail without applying some parts of Canadian TDG Regulations requirements if all criteria referenced in the paragraph 1.33 Class 3 Flammable Liquids: General Exemptions are met and it is in "non-bulk"packages (450 liters or less).

Supplemental Information: Canadian TDG Regulation 1.34 Class 3, Flammable Liquids, Substances that have a flash point greater than 60°C but less than or equal to 93°C may be transported on a road vehicle, a railway vehicle or a ship on a domestic voyage as Class 3, Flammable Liquids, Packing Group III. The requirements of TDG Regulations that relate to flammable liquids that have a flash point less than or equal to 60°C must be complied with in that case,.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

#### TDG



## 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

B3 - Combustible Liquids  
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)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
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: 2  
Flammability: 2  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 2  
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  
513-458-8198

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

Physical & Chemical Properties: Physical & Chemical Properties  
Transport Information: Product Shipping Name/Packing Group  
Regulatory Information: Canada