

1. Chemical Product and Company Identification

Material name	CIMGUARD® 20 CORROSION PREVENTIVE
Version #	04
Issue date	09-30-2013
Revision date	02-27-2015
Supersedes date	02-04-2015
CAS #	Mixture
MSDS Number	Not applicable
Recommended use	CORROSION PREVENTIVE
Manufacturer	
Company name	CIMCOOL® Industrial Products LLC 3000 Disney Street Cincinnati, Ohio 45209
Telephone (General Information)	513-458-8199
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
Telephone (General Information)	905-319-1919
Emergency telephone number (outside USA)	1-703-527-3887 (CHEMTREC)

2. Hazards Identification

Emergency overview	Combustible liquid. Causes eye irritation. Causes skin irritation. Harmful if inhaled. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Avoid prolonged contact with eyes, skin and clothing.
Potential health effects	
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Eyes	Causes eye irritation. Do not get this material in contact with eyes.
Skin	Causes skin irritation. Avoid contact with the skin.
Inhalation	Harmful if inhaled. May cause irritation of respiratory tract.
Ingestion	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
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	30 - 60
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.	64742-88-7	30 - 60
Other components below reportable levels		10 - 30

4. FIRST AID MEASURES

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

Skin contact	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.
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.
Ingestion	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.
Notes to physician	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General advice	If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flammable properties	Combustible by WHMIS criteria. Heat may cause the containers to explode.
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemicals. Dry chemical powder. Carbon dioxide (CO ₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	
Protective equipment for firefighters	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.
Specific methods	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.
Explosion data	
Sensitivity to static discharge	Not applicable.
Sensitivity to mechanical impact	Not applicable.
Hazardous combustion products	Smoke, fumes, oxides of nitrogen, and oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	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.
Environmental precautions	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.
Methods for containment	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.
Methods for cleaning up	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.
Other information	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 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.

Storage

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.
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.

U.S. - OSHA

	Type	Value
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)	TWA	2000 mg/m3
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)	TWA	500 ppm

Biological limit values

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

Exposure guidelines

Canada - British Columbia OELs: Skin designation

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8) Can be absorbed through the skin.

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

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	> 355 °F (> 179.44 °C) estimated
Melting point/Freezing point	< 32 °F (< 0 °C) estimated
Solubility (water)	Insoluble
Specific gravity	Not available.
Relative density	Not available.
Flash point	143 °F (61.7 °C) Setflash
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	88 %

10. Stability and Reactivity

Chemical stability	Risk of ignition. Material is stable under normal conditions.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Strong oxidizing agents. Strong acids. Avoid contact with oxidizers or reducing agents.
Hazardous decomposition products	Smoke, fumes, oxides of nitrogen, and oxides of carbon
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Components	Species	Test Results
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.28 mg/l, 4 hours

Components	Species	Test Results
<i>Oral</i> LD50	Rat	> 5000 mg/kg
Acute effects	Narcotic effects. Harmful if inhaled. May be fatal if swallowed and enters airways.	
Sensitization	Not classified.	
Chronic effects	Prolonged exposure may cause chronic effects.	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation. Defatting, drying and cracking of skin.	
Serious eye damage/irritation	Causes eye irritation.	
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Reproductive effects	This product is not expected to cause reproductive or developmental effects.	
Teratogenicity	Not classified.	
Symptoms and target organs	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause drowsiness and dizziness. Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Defatting of the skin.	
Synergistic materials	Not available.	
Further information	Symptoms may be delayed.	

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	Species	Test Results
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)		
Aquatic		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		2.9 mg/l, 96 hours
<i>Acute</i>		
Crustacea	EC50	Daphnia
		1.4 mg/l, 48 hours
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (CAS 64742-88-7)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia
		1.4 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		2 mg/l, 96 hours
Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.	
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
Aquatic toxicity	Not available.	
Persistence and degradability	Not available.	
Mobility in environmental media	The product is immiscible with water and will spread on the water surface.	

13. DISPOSAL CONSIDERATIONS

Disposal instructions	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.
Waste from residues / unused products	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).
Contaminated packaging	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

UN number UN1268
UN proper shipping name PETROLEUM PRODUCTS, N.O.S. (ALIPHATIC PETROLEUM DISTILLATES)
Transport hazard class(es)

Class 3

Subsidiary risk -

Packing group III

Environmental hazards Not available.

Special precautions for user 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)	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)	Yes
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

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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