

1. Chemical Product and Company Identification

Material name	PRODUCTO™ DC-875 INDUSTRIAL CLEANER
Version #	01
Issue date	09-11-2014
CAS #	Mixture
MSDS Number	Not applicable
Recommended use	INDUSTRIAL CLEANER
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	Product is corrosive to skin, eyes and aluminum. Causes severe skin burns and eye damage. May be harmful if swallowed. Avoid prolonged contact with eyes, skin and clothing.
Potential health effects	
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Eyes	Causes eye burns. Harmful in contact with eyes.
Skin	Causes skin burns. Do not get this material in contact with skin.
Inhalation	Prolonged inhalation may be harmful. Health injuries are not known or expected under normal use.
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
CITRUS TERPENES	94266-47-4	10 - 30
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	3 - 7
POTASSIUM HYDROXIDE	1310-58-3	1 - 5
Other components below reportable levels		40 - 70

4. FIRST AID MEASURES

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention immediately.

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 clothing separately before reuse.
Inhalation	If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting. Drink 1 or 2 glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Get medical advice/attention if you feel unwell.
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	The product is not flammable.
Extinguishing media	
Suitable extinguishing media	Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO ₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Not applicable, non-combustible.
Protection of firefighters	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Protective equipment for firefighters	Wear suitable protective equipment.
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 container from fire area if it can be done 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
General fire hazards	No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	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.
Environmental precautions	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.
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	Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water. 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. 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. 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 breathe vapor. Do not ingest. Do not get this material on clothing. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged and repeated contact. 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 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

US. ACGIH Threshold Limit Values

	Type	Value
POTASSIUM HYDROXIDE (CAS 1310-58-3)	Ceiling	2 mg/m3
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

	Type	Value
POTASSIUM HYDROXIDE (CAS 1310-58-3)	Ceiling	2 mg/m3
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	STEL	909 mg/m3
	TWA	150 ppm 606 mg/m3 100 ppm

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

	Type	Value
POTASSIUM HYDROXIDE (CAS 1310-58-3)	Ceiling	2 mg/m3
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

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

	Type	Value
POTASSIUM HYDROXIDE (CAS 1310-58-3)	Ceiling	2 mg/m3
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

	Type	Value
POTASSIUM HYDROXIDE (CAS 1310-58-3)	Ceiling	2 mg/m3
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

	Type	Value
POTASSIUM HYDROXIDE (CAS 1310-58-3)	Ceiling	2 mg/m3
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	STEL	909 mg/m3
	TWA	150 ppm 606 mg/m3 100 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

	Type	Value
DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS 34590-94-8)	PEL	600 mg/m3
		100 ppm

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

Exposure guidelines**Canada - Alberta OELs: Skin designation**

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8) 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. 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	13.3
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	> 212 °F (> 100 °C) estimated
Melting point/Freezing point	< 32 °F (< 0 °C) estimated
Solubility (water)	100 % Water Miscible
Specific gravity	0.98
Relative density	Not available.
Flash point	Not Applicable
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	
pH in aqueous solution	11.4 @ 5%
VOC ASTM D2369	29 %

10. Stability and Reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidizing agents. 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.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Components	Species	Test Results
CITRUS TERPENES (CAS 94266-47-4)		
Acute		
<i>Oral</i>		
LD50	Rabbit	> 5000 mg/kg
DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 20 ml/kg 9.5 g/kg
<i>Inhalation</i>		
LD50	Rat	> 500 ppm, 7 hours
<i>Oral</i>		
LD50	Rat	5135 mg/kg 5.4 ml/kg
POTASSIUM HYDROXIDE (CAS 1310-58-3)		
Acute		
<i>Oral</i>		
LD50	Rat	214 mg/kg

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

Acute effects	Causes burns. May be harmful if swallowed. May be harmful in contact with skin.
Chronic effects	Prolonged exposure may cause chronic effects.

Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Symptoms and target organs	Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Burning pain and severe corrosive skin damage. Defatting of the skin.
Further information	Symptoms may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	Species	Test Results
DIPROPYLENE GLYCOL METHYL ETHER (CAS 34590-94-8)		
Aquatic		
<i>Acute</i>		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) > 10000 mg/l, 96 hours
POTASSIUM HYDROXIDE (CAS 1310-58-3)		
Aquatic		
Fish	LC50	Western mosquitofish (<i>Gambusia affinis</i>) 80 mg/l, 96 hours

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

Ecotoxicity	Accumulation in aquatic organisms is expected. Contains a substance which causes risk of hazardous effects to the environment.
Environmental effects	Harmful to aquatic organisms. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic toxicity	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability	Not available.
Partition coefficient	
DIPROPYLENE GLYCOL METHYL ETHER	-0.35 Estimated
Mobility in environmental media	This product is miscible in water.

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	UN3267
UN proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CITRUS TERPENES and POTASSIUM HYDROXIDE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	III
Environmental hazards	D
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.
IATA	
UN number	UN3267
UN proper shipping name	Corrosive liquid, basic, organic, n.o.s. (CITRUS TERPENES and POTASSIUM HYDROXIDE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	III
Environmental hazards	No.

ERG Code 8L
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other information
Passenger and cargo aircraft Allowed.
Cargo aircraft only Allowed.

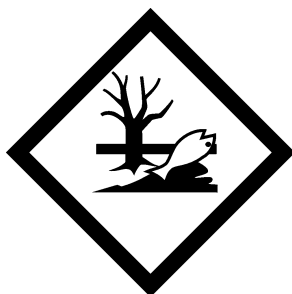
IMDG

UN number UN3267
UN proper shipping name CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CITRUS TERPENES and POTASSIUM HYDROXIDE), MARINE POLLUTANT
Transport hazard class(es)
Class 8
Subsidiary risk -
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-B
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

IATA; IMDG; TDG



Marine pollutant



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
E - Corrosive

WHMIS labeling



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)	No

Country(s) or region	Inventory name	On inventory or exempt (yes/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: 3
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 3
Flammability: 0
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.