

1. Chemical Product and Company Identification

Material name PRODUCTO™ SP-530
INDUSTRIAL CLEANER

Version # 01

Issue date 12-04-2013

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 May be corrosive to metals. Irritating to eyes. May cause skin irritation. May cause irritation to the respiratory system. Avoid prolonged contact with eyes, skin and clothing.

Potential health effects

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

Eyes Harmful in contact with eyes. Contact will irritate or burn eyes. Do not get this material in contact with eyes.

Skin Avoid contact with the skin. May cause skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Health injuries are not known or expected under normal use.

Inhalation Prolonged inhalation may be harmful. May cause irritation of respiratory tract. Health injuries are not known or expected under normal use.

Ingestion Harmful if swallowed. Do not ingest. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. Composition/Information on Ingredients

Components	CAS #	Percent
2-ETHYLHEXOIC ACID	149-57-5	5 - 10
MONOETHANOLAMINE	141-43-5	3 - 7
TETRAPOTASSIUM PYROPHOSPHATE	7320-34-5	1 - 5
Other components below reportable levels		60 - 100

4. FIRST AID MEASURES

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash 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. If symptoms persist, get medical attention. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Rinse mouth thoroughly. Drink 1 or 2 glasses of water. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Notes to physician

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. Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Flammable properties

The product is not flammable. No unusual fire or explosion hazards noted.

Extinguishing media

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Not applicable, non-combustible.

Protection of firefighters

Protective equipment for firefighters

Wear suitable protective equipment. Firefighters should wear full protective clothing including self contained breathing apparatus.

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.

Explosion data

Sensitivity to static discharge

Not applicable.

Sensitivity to mechanical impact

Not applicable.

Hazardous combustion products

Smoke, fumes, oxides of nitrogen, oxides of phosphorus, and oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

Environmental precautions

Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods for containment

Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up

Clean up in accordance with all applicable regulations. Should not be released into the environment. This product is miscible in water.

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. Clean up in accordance with all applicable regulations. 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 handle until all safety precautions have been read and understood. 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 get this material in contact with eyes. Do not ingest. Avoid contact with skin. Avoid prolonged and repeated contact. Avoid contact with clothing. Wear appropriate personal protective equipment. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Practice good housekeeping. Handle and open container with care. Avoid release to the environment. Do not empty into drains.

Storage

To maintain product quality, do not store in heat or direct sunlight. Store in original tightly closed container. Keep containers closed when not in use. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Room temperature - normal conditions. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the MSDS). Keep away from food, drink and animal feedingstuffs. Use care in handling/storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Occupational exposure limits****US. ACGIH Threshold Limit Values**

	Type	Value	Form
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	Inhalable fraction and vapor.
2-ETHYLHEXANOIC ACID (CAS 149-57-5)	TWA	5 mg/m3	
MONOETHANOLAMINE (CAS 141-43-5)	TWA	3 ppm	

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

	Type	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3	
		6 ppm	
	TWA	7.5 mg/m3	
2-ETHYLHEXANOIC ACID (CAS 149-57-5)	TWA	5 mg/m3	
MONOETHANOLAMINE (CAS 141-43-5)	TWA	3 ppm	

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

	Type	Value	Form
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	Vapor and aerosol, inhalable.
2-ETHYLHEXANOIC ACID (CAS 149-57-5)	TWA	5 mg/m3	
MONOETHANOLAMINE (CAS 141-43-5)	TWA	3 ppm	

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

	Type	Value	Form
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	

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

	Type	Value	Form
2-ETHYLHEXANOIC ACID (CAS 149-57-5)	TWA	5 mg/m3	Inhalable fraction and vapor.
MONOETHANOLAMINE (CAS 141-43-5)	TWA	3 ppm	

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

	Type	Value	Form
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	Inhalable fraction and vapor.
2-ETHYLHEXANOIC ACID (CAS 149-57-5)	TWA	5 mg/m3	
MONOETHANOLAMINE (CAS 141-43-5)	TWA	3 ppm	

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

	Type	Value
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3
	TWA	6 ppm 7.5 mg/m3 3 ppm

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

	Type	Value
MONOETHANOLAMINE (CAS 141-43-5)	PEL	6 mg/m3 3 ppm

Biological limit values

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

Engineering controls

Ensure compliance with applicable exposure limits. Ensure adequate ventilation, especially in confined areas. 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. Provide eyewash station.

Personal protective equipment**Eye / face protection**

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

Skin protection

Avoid contact with the skin. Wear suitable protective clothing and gloves.

Respiratory protection

Avoid breathing dust/fume/gas/mist/vapors/spray. 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	10.1
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	> 212 °F (> 100 °C)
Melting point/Freezing point	< 32 °F (< 0 °C)
Solubility (water)	100 % Water Miscible
Specific gravity	1.05
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.
Evaporation rate	Like water when diluted
Other data	
pH in aqueous solution	9.6 @ 3%
VOC ASTM D2369	5 %

10. Stability and Reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Excessive heat. Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidizing agents. Avoid contact with oxidizers or reducing agents. Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.
Hazardous decomposition products	Smoke, fumes, oxides of nitrogen, oxides of phosphorus, 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
2-ETHYLHEXOIC ACID (CAS 149-57-5)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	5690 mg/kg
	Rabbit	1260 mg/kg
<i>Oral</i>		
LD50	Rabbit	1.3 g/kg
	Rat	1.6 g/kg
<i>Other</i>		
LD50	Mouse	270 mg/kg
MONOETHANOLAMINE (CAS 141-43-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1025 mg/kg
<i>Inhalation</i>		
LC50	Mouse	> 1210 mg/m ³
<i>Oral</i>		
LD50	Guinea pig	620 mg/kg
	Mouse	700 mg/kg
	Rat	1750 mg/kg
<i>Other</i>		
LD50	Mouse	50 mg/kg
	Rat	67 mg/kg
TETRAPOTASSIUM PYROPHOSPHATE (CAS 7320-34-5)		
Acute		
<i>Dermal</i>		
LC50	Rabbit	46.4 mg/kg

Components	Species	Test Results
<i>Oral</i> LC50	Rat	1000 mg/kg
* Estimates for product may be based on additional component data not shown.		
Acute effects	May be harmful if swallowed. May be harmful in contact with skin.	
Local effects	Irritating to eyes. May be irritating to the skin.	
Chronic effects	Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.	
Symptoms and target organs	Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Defatting of the skin.	

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	Species	Test Results
2-ETHYLHEXOIC ACID (CAS 149-57-5)		
<i>Acute</i> Crustacea	EC50	Daphnia
		85.4 - 106 mg/l, 48 hours
Aquatic <i>Acute</i> Fish	LC50	Fathead minnow (Pimephales promelas)
		70 mg/l, 96 hours
MONOETHANOLAMINE (CAS 141-43-5)		
Aquatic Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		114 - 196 mg/l, 96 hours

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

Ecotoxicity	Components of this product are hazardous to aquatic life. 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.
Persistence and degradability	Not available.
Partition coefficient	
2-ETHYLHEXOIC ACID	2.64
MONOETHANOLAMINE	-1.31
Mobility in environmental media	This product is miscible in water.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies.
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	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (MONOETHANOLAMINE, TETRAPOTASSIUM PYROPHOSPHATE)
Transport hazard class(es)	
Class	8

Subsidiary risk	-
Packing group	III
Environmental hazards	Not available.
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.

IATA

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (MONOETHANOLAMINE, TETRAPOTASSIUM PYROPHOSPHATE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	No.
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft	Forbidden.
Cargo aircraft only	Forbidden.

IMDG

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (MONOETHANOLAMINE, TETRAPOTASSIUM PYROPHOSPHATE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.

IATA; IMDG; 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	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)	No
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: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 1
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

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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.