SAFETY DATA SHEET



1. Identification

Product identifier CIMCLEAN® 40

INDUSTRIAL CLEANER

Other means of identification

SDS number Not applicable B00619 **Product code**

INDUSTRIAL CLEANER Recommended use

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name CIMCOOL® Industrial Products LLC

> 3000 Disney Street Cincinnati, Ohio 45209

Telephone (General

Information)

513-458-8100

Emergency telephone

number

1-800-424-9300 (CHEMTREC)

Emergency telephone number (outside USA) 1-703-527-3887 (CHEMTREC)

Supplier

Milacron Canada Corp. Company name

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)

Supplier Not available.

2. Hazard identification

Not classified. Physical hazards

Skin irritation Category 2 **Health hazards**

> Serious eye irritation Category 2

Environmental hazards Not classified.

Label elements



Signal word

Causes skin irritation. Causes serious eye irritation. **Hazard statement**

Precautionary statement

Material name: CIMCLEAN® 40

Prevention Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical Response

advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention. Take off contaminated clothing and wash it before reuse.

SDS Canada 1/8 Storage Store away from incompatible materials.

Dispose of contents/container in accordance with local/regional/national/international regulations. **Disposal**

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
MONOETHANOLAMINE		141-43-5	5 - 10
TRIAZINETRIETHANOL		4719-04-4	5 - 10
SODIUM METASILICATE		6834-92-0	1 - 5
Other components below repo	rtable levels		80 - 100

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist. Under normal conditions of

intended use, this material is not expected to be an inhalation hazard.

Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Wash Skin contact

redness, swelling, and blurred vision. Skin irritation.

contaminated clothing before reuse.

Rinse with water, Remove contact lenses, if present and easy to do, Continue rinsing, Get medical Eve contact

attention if irritation develops and persists.

Ingestion Rinse mouth thoroughly. Drink 1 or 2 glasses of water. 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

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing,

vou feel unwell.

Most important

symptoms/effects, acute and

delayed

Indication of immediate

medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in

attendance.

5. Fire-fighting measures

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Use extinguishing measures that Suitable extinguishing media

are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing

media

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment

and precautions for firefighters

Wear suitable protective equipment.

Not applicable, non-combustible.

Fire fighting

equipment/instructions

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. In the

event of fire and/or explosion do not breathe fumes.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions. protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/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 SDS.

Material name: CIMCLEAN® 40 SDS Canada

Methods and materials for containment and cleaning up

Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water. Clean up in accordance with all applicable regulations.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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. For waste disposal, see section 13 of the SDS.

Environmental precautions

Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe 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. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Value

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

MONOETHANOLAMINE	STEL	6 ppm
(CAS 141-43-5)	TWA	3 ppm
Canada. Alberta OELs (Occupatio	onal Health & Safety Code, Sc	hedule 1. Table 2)
	Туре	Value
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3
		6 ppm
	TWA	7.5 mg/m3
		3 ppm
Canada. British Columbia OELs. (Safety Regulation 296/97, as ame		s for Chemical Substances, Occupational Health and
	Туре	Value
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm
,	TWA	3 ppm
Canada. Manitoba OELs (Reg. 21	7/2006 The Workplace Safety	And Health Act)
	1/2000, The Workplace Dalety	Alla licalii Acti
ounded maintoba OLLO (110g. 21	Type	Value
MONOETHANOLAMINE (CAS 141-43-5)		
MONOETHANOLAMINE	Туре	Value
MONOETHANOLAMINE	Type STEL TWA	Value 6 ppm 3 ppm
MONOETHANOLAMINE (CAS 141-43-5)	Type STEL TWA	Value 6 ppm 3 ppm
MONOETHANOLAMINE (CAS 141-43-5)	Type STEL TWA of Exposure to Biological or C	Value 6 ppm 3 ppm hemical Agents)
MONOETHANOLAMINE (CAS 141-43-5) Canada. Ontario OELs. (Control o	Type STEL TWA of Exposure to Biological or C Type	Value 6 ppm 3 ppm hemical Agents) Value
MONOETHANOLAMINE (CAS 141-43-5) Canada. Ontario OELs. (Control of MONOETHANOLAMINE (CAS 141-43-5)	Type STEL TWA of Exposure to Biological or C Type STEL TWA	Value 6 ppm 3 ppm hemical Agents) Value 6 ppm
MONOETHANOLAMINE (CAS 141-43-5) Canada. Ontario OELs. (Control of MONOETHANOLAMINE (CAS 141-43-5)	Type STEL TWA of Exposure to Biological or C Type STEL TWA	Value 6 ppm 3 ppm hemical Agents) Value 6 ppm 3 ppm
MONOETHANOLAMINE (CAS 141-43-5) Canada. Ontario OELs. (Control of MONOETHANOLAMINE (CAS 141-43-5)	Type STEL TWA of Exposure to Biological or C Type STEL TWA of Labor - Regulation respecti	Value 6 ppm 3 ppm hemical Agents) Value 6 ppm 3 ppm 3 ppm ing occupational health and safety)
MONOETHANOLAMINE (CAS 141-43-5) Canada. Ontario OELs. (Control of MONOETHANOLAMINE (CAS 141-43-5) Canada. Quebec OELs. (Ministry	Type STEL TWA of Exposure to Biological or C Type STEL TWA of Labor - Regulation respecti	Value 6 ppm 3 ppm hemical Agents) Value 6 ppm 3 ppm ing occupational health and safety) Value

Type

Material name: CIMCLEAN® 40 SDS Canada

Version #: 04 Revision date: 10-01-2018 Issue date: 12-22-2016

Type Value

3 ppm

3 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Type Value

MONOETHANOLAMINE 15 minute 6 ppm
(CAS 141-43-5)

8 hour

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

Appropriate engineering

controls

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 and safety shower.

Individual protection measures, such as 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

Hand protection Nitrile gloves are recommended.

Other Wear appropriate chemical resistant clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Do not get in eyes, on skin, on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove

contaminants.

9. Physical and chemical properties

Appearance CLEAR
Physical state Liquid.
Form Liquid.

ColorNot available.OdorCHEMICALOdor thresholdNot available.

pH 11.6

Melting point/freezing point < 32 °F (< 0 °C)
Initial boiling point and boiling > 212 °F (> 100 °C)

range

Flash point Not Applicable

Evaporation rate Like water when diluted

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

er

(%)

Not available.

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%)
Explosive limit - upper (%)

Not available.

Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) 100 % Water Miscible

Material name: CIMCLEAN® 40 SDS Canada

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

pH in aqueous solution 10.5 @ 2%

Specific gravity 1.034

VOC ASTM D2369 14 %

10. Stability and reactivity

Reactivity Reacts violently with strong acids. This product may react with oxidizing agents.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoidContact with incompatible materials. Do not mix with other chemicals.

Incompatible materialsDo not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.

Acids. Oxidizing agents.

Hazardous decomposition

products

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

11. Toxicological information

Information on likely routes of exposure

Inhalation Not classified.

Skin contactCauses skin irritation.Eye contactCauses eye irritation.

Ingestion Not classified.

Symptoms related to the

physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing,

redness, swelling, and blurred vision. Skin irritation.

Information on toxicological effects

Acute toxicity

Components Species Test Results

TRIAZINETRIETHANOL (CAS 4719-04-4)

Acute
Dermal
Liquid

LD50 Rat 4000 mg/kg

Oral *Liquid*

LD50 Rat 1000 mg/kg

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/eye Causes eye irritation.

irritation

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

MONOETHANOLAMINE (CAS 141-43-5) Irritant

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Material name: CIMCLEAN® 40 SDS Canada

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

Not classified.

repeated exposure

Aspiration hazard

Not an aspiration hazard.

Not classified. Chronic effects

Further information The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results		
MONOETHANOLAMINE (CAS 141-43-5)					
Aquatic					
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	114 - 196 mg/l, 96 hours		
Acute					
Crustacea	EC50	Daphnia	65 mg/l, 48 hours ECHA		
SODIUM METASILICA	ATE (CAS 6834-92	-0)			
Aquatic					
Acute					
Crustacea	EC50	Daphnia	1700 mg/l, 48 hours		
Fish	LC50	Zebra danio (Danio rerio)	210 mg/l, 96 hours		
TRIAZINETRIETHAN	OL (CAS 4719-04-4	1)			
Aquatic					
Acute					
Crustacea	EC50	Daphnia	11.9 mg/l, 48 hours ECHA		
Fish	LC50	Fish	16 - 240 mg/l, 96 hours ECHA		

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

MONOETHANOLAMINE -1.31 **TRIAZINETRIETHANOL** -2

Bioconcentration factor (BCF)

< 3.2, ESTIMATED MONOETHANOLAMINE

Mobility in soil This product is miscible in water.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste Hazardous waste code

disposal company.

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 Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

Material name: CIMCLEAN® 40 SDS Canada

14. Transport information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

This product has been classified in accordance with the hazard criteria of the HPR and the SDS **Canadian regulations**

contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

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)	No
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

16. Other information

Issue date 12-22-2016 10-01-2018 **Revision date**

Version # 04

Material name: CIMCLEAN® 40 SDS Canada

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Version #: 04 Revision date: 10-01-2018 Issue date: 12-22-2016

7/8

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.

Revision information Composition / Information on Ingredients: Relevant Override

Physical & Chemical Properties: Multiple Properties

GHS: Classification

Material name: CIMCLEAN® 40 SDS Canada