SAFETY DATA SHEET

1. Identification

Product identifier CIMPERIAL® 1070

METALWORKING FLUID

Other means of identification

SDS number Not applicable B00102 **Product code**

METALWORKING FLUID 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

1-800-424-9300 (CHEMTREC)

number

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

Supplier

Company name DUBOIS CHEMICAL CANADA INC dba CIMCOOL® Canada

Address B1 - 1175 Appleby Line

Burlington, ON L7L 5H9 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

Hazard statement Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Material name: CIMPERIAL® 1070

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

IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several Response minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take

off contaminated clothing and wash it before reuse.

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SDS Canada

Storage Store away from incompatible materials.

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

Other hazards None known.

Supplemental information Use in manufacturing processes only.

The classified hazards shown on this SDS are associated with the product concentrate. These

hazards are not expected under recommended use conditions and dilution.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES		64742-52-5	30 - 60
ALKANES C14-16, CHLORO		63449-39-8	10 - 30
MONOETHANOLAMINE		141-43-5	1 - 5
TRIAZINETRIETHANOL		4719-04-4	1 - 5
TRIETHANOLAMINE		102-71-6	1 - 5
Other components below reportable	levels		10 - 30

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.

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

contaminated clothing before reuse.

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

attention if irritation develops and persists.

Ingestion Rinse mouth thoroughly. Do not give liquids. 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 you feel

Most important

symptoms/effects, acute and

delayed

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation.

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

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

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.

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.

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.

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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. 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.

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. Prevent entry into waterways, sewer, basements or confined areas. 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.

Terriove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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.

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

ACCIL

ACGIH	Time	Value	
Components	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)	TWA	5 mg/m3	
US. ACGIH Threshold Limit Values	;		
Components	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	
Canada. Alberta OELs (Occupation	nal Health & Safety Code, Sc	hedule 1, Table 2)	
Components	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3	
		6 ppm	
	TWA	7.5 mg/m3	
		3 ppm	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	

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Safety Regulation 296/97, as a Components	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	
Canada. Manitoba OELs (Reg Components	. 217/2006, The Workplace Safety <i>I</i> Type	And Health Act) Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
TRIETHANOLAMINE (CAS	TWA	5 mg/m3	
102-71-6)	TWA	5 mg/ms	
Canada. Ontario OELs. (Cont Components	rol of Exposure to Biological or Ch Type	emical Agents) Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
(6/16/11/10/0)	TWA	3 ppm	
TRIETHANOLAMINE (CAS	TWA	3.1 mg/m3	
102-71-6)		0.5 ppm	
Canada. Quebec OELs. (Minis Components	stry of Labor - Regulation respectir Type	ng occupational health and safety) Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3	
		6 ppm	
	TWA	7.5 mg/m3	
		3 ppm	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	
Canada. Saskatchewan OELs	(Occupational Health and Safety F	Regulations, 1996, Table 21)	
Components	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	15 minute	6 ppm	
,	8 hour	3 ppm	
TRIETHANOLAMINE (CAS 102-71-6)	15 minute	10 mg/m3	
,	8 hour	5 mg/m3	
ogical limit values	No biological exposure limits noted for	or the ingredient(s).	
ropriate engineering trols	No biological exposure limits noted for the ingredient(s). 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 ventilatio or other engineering controls to maintain airborne levels below recommended exposure limits. exposure limits have not been established, maintain airborne levels to an acceptable level. Pro eyewash station and safety shower.		
vidual protection measures, s Eye/face protection	uch as personal protective equipm Wear safety glasses with side shields recommended.	nent s (or goggles). Do not get in eyes. Eye wash fountain is	
Skin protection			
Hand protection	Nitrile gloves are recommended.		
Other	Wear appropriate chemical resistant clothing.		
Other			
Respiratory protection	In case of insufficient ventilation, wea	ar suitable respiratory equipment.	

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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

CLEAR Appearance

Physical state Liquid. **Form** Liquid.

Color Not available. **CHEMICAL** Odor **Odor threshold** Not available. Not Applicable < 30 °F (< -1.1 °C) Melting point/freezing point Initial boiling point and boiling

range

Not available.

385 °F (196.1 °C) Cleveland Open Cup Flash point

Like water when diluted **Evaporation rate**

Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

(%)

Flammability limit - lower Not available.

Flammability limit - upper Not available. (%)

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available. Vapor pressure Not available. Vapor density Not available. Relative density Not available.

Solubility(ies)

100 % Miscible Solubility (water) Not available. Partition coefficient

(n-octanol/water)

Auto-ignition temperature Not available. Not available. **Decomposition temperature** Not available. **Viscosity**

Other information

Not explosive. **Explosive properties** Flash point class Combustible IIIB Oxidizing properties Not oxidizing. pH in aqueous solution 8.6 @ 5% 1.015 Specific gravity VOC ASTM D2369 14 %

10. Stability and reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport. Reactivity

Material is stable under normal conditions. Chemical stability Possibility of hazardous Hazardous polymerization does not occur.

reactions Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with

incompatible materials.

Incompatible materials Acids. Oxidizing agents. Do not add sodium nitrite or other nitrosating agents which may form

cancer causing nitrosamines.

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Hazardous decomposition

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

products

11. Toxicological information

Information on likely routes of exposure

Inhalation Health injuries are not known or expected under normal use.

Skin contact Causes skin irritation. Eye contact Causes eye irritation.

Ingestion Expected to be a low ingestion hazard. Health injuries are not known or expected under normal

use.

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**

ALKANES C14-16, CHLORO (CAS 63449-39-8)

Acute **Dermal**

Liquid

Rabbit LD50 > 2000 mg/kg

Oral Liquid

LD50 Rat > 5000 mg/kg

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)

Acute **Dermal**

Liquid

LD50 Rabbit > 2000 mg/kg

Oral

Liquid

LD50 Rat > 5000 mg/kg

TRIAZINETRIETHANOL (CAS 4719-04-4)

Acute

Dermal

Liquid

LD50 Rat 4000 mg/kg

Oral Liquid

LD50 Rat

1000 mg/kg

TRIETHANOLAMINE (CAS 102-71-6)

Acute

Dermal

Liquid

LD50 Rabbit > 2000 mg/kg

Oral

Liquid

LD50 Rat 4190 mg/kg

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

irritation

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Version #: 09 Revision date: 04-28-2021 Issue date: 06-07-2017 Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

Irritant MONOETHANOLAMINE (CAS 141-43-5) TRIETHANOLAMINE (CAS 102-71-6) Irritant

Canada - Quebec OELs: Sensitizer

TRIETHANOLAMINE (CAS 102-71-6) Sensitizer.

Respiratory sensitization Not a respiratory sensitizer.

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

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

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

Oil /Distillate meets the EU requirement of less than 3% (w/w) DMSO extract for total polycyclic

aromatic compound (PAC) using IP 346.

IARC Monographs. Overall Evaluation of Carcinogenicity

TRIETHANOLAMINE (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

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 -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not **Chronic effects**

been observed in humans.

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 Contains a substance which causes risk of hazardous effects to the environment.

Components Species **Test Results**

ALKANES C14-16, CHLORO (CAS 63449-39-8)

Aquatic Acute

LC50 Bluegill (Lepomis macrochirus) > 0.1 mg/l, 96 hours Fish

MONOETHANOLAMINE (CAS 141-43-5)

Aquatic

Fish LC50 Rainbow trout, donaldson trout 114 - 196 mg/l, 96 hours

(Oncorhynchus mykiss)

Acute

Crustacea EC50 Daphnia 65 mg/l, 48 hours ECHA

TRIAZINETRIETHANOL (CAS 4719-04-4)

Aquatic

Acute

Crustacea EC50 Daphnia 11.9 mg/l, 48 hours ECHA Fish LC50 Fish 16 - 240 mg/l, 96 hours ECHA

TRIETHANOLAMINE (CAS 102-71-6)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 565.2 - 658.3 mg/l, 48 hours

Acute

Fish LC50 Bluegill (Lepomis macrochirus) 450 - 1000 mg/l, 96 hours

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

Bioaccumulative potential

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Version #: 09 Revision date: 04-28-2021 Issue date: 06-07-2017 Partition coefficient n-octanol / water (log Kow)

MONOETHANOLAMINE -1.31 **TRIAZINETRIETHANOL** -2 **TRIETHANOLAMINE** -2.3

This product is miscible with water. Mobility in soil

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

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

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

Local disposal regulations Dispose in accordance with all applicable regulations.

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

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).

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

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

disposal.

14. Transport information

TDG

UN number UN3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES C14-16, **UN proper shipping name**

CHLORO), MARINE POLLUTANT

Transport hazard class(es)

9 Class Subsidiary risk Ш **Packing group** Yes **Environmental hazards**

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number UN3082

UN proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (ALKANES C14-16, CHLORO)

Transport hazard class(es)

Class 9 Subsidiary risk Packing group Ш **Environmental hazards** Yes **ERG Code** 9L

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

aircraft

Allowed with restrictions.

Not established.

Allowed with restrictions. Cargo aircraft only

IMDG

UN3082 **UN** number

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES C14-16, **UN proper shipping name**

CHLORO), MARINE POLLUTANT

Transport hazard class(es)

9 **Class** Subsidiary risk Ш Packing group **Environmental hazards**

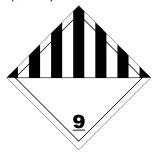
Marine pollutant Yes **EmS** F-A. S-F

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

Material name: CIMPERIAL® 1070 SDS Canada 8 / 10 IATA; IMDG; TDG



Marine pollutant



General information IMDG Regulated Marine Pollutant.

15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS 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)	Yes
New Zealand	New Zealand Inventory	No

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Country(s) or region Inventory name On inventory or exempt (yes/no)*

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

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

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NFPA ratings Health: 1

Flammability: 1 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: Ingredients

Physical & Chemical Properties: Multiple Properties

Ecological information: Mobility in soil

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