# SAFETY DATA SHEET



### 1. Identification

Product identifier SOLUBLE OIL 7863D

METALWORKING FLUID

Other means of identification

SDS number Not applicable

Recommended use METALWORKING FLUID

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Milacron Marketing Company 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)

# 2. Hazard(s) identification

Physical hazards Not classified.

Health hazardsSkin corrosion/irritationCategory 2Serious eye damage/eye irritationCategory 2

Sensitization, skin Category 1

Reproductive toxicity Effects on or via lactation

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May

cause harm to breast-fed children.

**Precautionary statement** 

**Prevention** Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing

dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid

release to the environment.

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

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. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. Take off contaminated clothing and

wash before reuse.

**Storage** Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place. Store away

from incompatible materials. Store in accordance with local/regional/national/international

regulation.

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

Material name: SOLUBLE OIL 7863D SDS US

None known.

Supplemental information

None.

## 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM		64742-52-5	10 - 30
C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN		63449-39-8	7 - 13
MONOISOPROPANOLAMINE		78-96-6	1 - 5
NONYLPHENOXYPOLYETHOXYE THANOL		127087-87-0	1 - 5
PHENOL, 4-CHLORO-3-METHYL-, SODIUM SALT		15733-22-9	0.5 - 1.5
TRIETHANOLAMINE		102-71-6	0.5 - 1.5
HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S- TRIAZINE		4719-04-4	0.1 - 1
Other components below reportable level	ls		30 - 60

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
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Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

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.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

Rinse mouth thoroughly. Do not induce vomiting. Do not give liquids. If vomiting occurs, keep head Ingestion

low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel

Skin irritation. May cause allergic skin reaction. Direct contact with eyes may cause temporary

irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting

of the skin.

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

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

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. In the Specific methods

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

No unusual fire or explosion hazards noted. General fire hazards

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### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

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 SDS.

Extinguish all flames in the vicinity. 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 entry into waterways, sewer, basements or confined areas. Prevent product from entering drains. 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. Do not flush spill to drain. For waste disposal, see section 13 of the SDS.

#### **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.

### 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 ingest. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material on clothing. Avoid contact during pregnancy/while nursing. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Use only in well-ventilated areas. 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.

Conditions for safe storage, including any incompatibilities

To maintain product quality, do not store in heat or direct sunlight. Store locked up. Use care in handling/storage. Keep containers closed when not in use. Keep away from food, drink and animal feedingstuffs. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). 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

U.S. - OSHA

	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM (CAS 64742-52-5)	PEL	5 mg/m3	
U.S NIOSH			
	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM (CAS 64742-52-5)	STEL	10 mg/m3	
,	TWA	5 mg/m3	
ACGIH			
	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM (CAS 64742-52-5) US. ACGIH Threshold Limit Values	TWA	5 mg/m3	
	Туре	Value	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	

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# Appropriate 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.

#### 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 Use protective gloves made of: Nitrile.Other Wear suitable protective clothing and gloves.

**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.
Color Not available.

Odor Chemical

Odor threshold Not available.

PH Not Applicable

Melting point/freezing point < 32 °F (< 0 °C)

Initial boiling point and boiling > 212 °F (> 100 °C)

range

Flash point

310 °F (154.4 °C) Cleveland Open Cup

**Evaporation rate** Like water when diluted

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies) 100 % Water Miscible

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

pH in aqueous solution 8.8 @ 5% Specific gravity 1.015 VOC ASTM D2369 11 %

### 10. Stability and reactivity

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

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use. Hazardous polymerization does not

occur.

**Conditions to avoid** Heat, flames and sparks. Contact with incompatible materials.

Incompatible materials Acids. 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, hydrogen chloride, and oxides of carbon

# 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful. Health injuries are not known or expected under normal

use.

Skin contact Causes skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to

discomfort and dermatitis.

**Eye contact** Causes serious eye irritation. Direct contact with eyes may cause temporary irritation.

Ingestion May be harmful if swallowed. Expected to be a low ingestion hazard.

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. Defatting of the skin. May cause respiratory

> 5000 mg/kg

irritation.

Rat

#### Information on toxicological effects

Acute toxicity May be harmful if swallowed. Expected to be a low hazard for usual industrial or commercial

handling by trained personnel.

Components **Species Test Results** MONOISOPROPANOLAMINE (CAS 78-96-6) Acute Dermal Rabbit LD50 1576 mg/kg Inhalation 1005 mg/m3, 3 hours LC0 Rat Oral LD50 Rat 1715 mg/kg NONYLPHENOXYPOLYETHOXYETHANOL (CAS 127087-87-0) Acute Dermal LD50 Rabbit 2573 mg/kg Oral LD50 Rat 5000 mg/kg PHENOL, 4-CHLORO-3-METHYL-, SODIUM SALT (CAS 15733-22-9) **Acute** Oral LD50 Rat 1360 - 1610 mg/kg SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM (CAS 64742-52-5) **Acute** Dermal LD50 Rabbit > 5000 mg/kg Inhalation LC50 Rat 5.7 mg/l, 4 hours

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Oral LD50 Components Species Test Results

TRIETHANOLAMINE (CAS 102-71-6)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Guinea pig 5300 mg/kg

Rat 8 g/kg

Skin corrosion/irritation Causes skin irritation. Prolonged skin contact may cause temporary irritation. Defatting, drying and

cracking of skin.

Serious eye damage/eye

irritation

Causes serious eye irritation. Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

**Skin sensitization** May cause an allergic skin reaction.

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

mutagenic or genotoxic.

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

IARC Monographs. Overall Evaluation of Carcinogenicity

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

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Reproductive toxicity** May cause harm to breastfed babies.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard May be harmful if swallowed and enters airways.

Chronic effects Prolonged exposure may cause chronic effects.

Further information Symptoms may be delayed.

### 12. Ecological information

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

lest Results

C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN (CAS 63449-39-8)

Aquatic

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

MONOISOPROPANOLAMINE (CAS 78-96-6)

Aquatic

Fish LC50 Goldfish (Carassius auratus) 210 mg/l, 96 hours

NONYLPHENOXYPOLYETHOXYETHANOL (CAS 127087-87-0)

**Aquatic** 

Acute

Crustacea EC50 Daphnia 1.6 - 10 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 1.2 - 9.3 mg/l, 96 hours

PHENOL, 4-CHLORO-3-METHYL-, SODIUM SALT (CAS 15733-22-9)

Aquatic

Acute

Crustacea EC50 Daphnia > 10000 mg/l, 48 hours
Fish LC50 Sheepshead minnow (Cyprinodon 23800 mg/l, 96 hours

variegatus)

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

**Test Results** Components **Species** 

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

Acute

LC50 Fish Fish > 100 mg/l, 96 hours

TRIETHANOLAMINE (CAS 102-71-6)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 565.2 - 658.3 mg/l, 48 hours LC50 Fathead minnow (Pimephales promelas) 10610 - 13010 mg/l, 96 hours Fish

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

MONOISOPROPANOLAMINE -0.93**TRIETHANOLAMINE** -1

Mobility in soil This product is miscible in water.

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

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

### 13. Disposal considerations

Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with **Disposal instructions** 

chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal 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).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

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

emptied. Do not re-use empty containers.

# 14. Transport information

DOT

UN3082 **UN** number

Environmentally hazardous substances, liquid, n.o.s. (C14-C17 MEDIUM CHAIN CHLORINATED **UN proper shipping name** 

PARAFFIN), MARINE POLLUTANT

Transport hazard class(es)

9 Class Subsidiary risk 9 Label(s) Ш Packing group

**Environmental hazards** 

Marine pollutant Yes

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

8, 146, 335, IB3, T4, TP1, TP29 Special provisions

155 Packaging exceptions 203 Packaging non bulk Packaging bulk 241

Supplemental Information: 49CFR 171.4 excludes "non-bulk" packages (119 gallons or less) from Marine Pollutant Requirements

unless all or part of the shipment is by vessel.

IATA

**UN number** UN3082

**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (C14-C17 MEDIUM CHAIN CHLORINATED

PARAFFIN)

Transport hazard class(es)

Material name: SOLUBLE OIL 7863D

Class 9

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Subsidiary risk Packing group III
Environmental hazards Yes
ERG Code 9L

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

Passenger and cargo

Other information

Allowed.

aircraft

Cargo aircraft only Allowed.

**IMDG** 

UN number UN3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C14-C17 MEDIUM CHAIN

CHLORINATED PARAFFIN), MARINE POLLUTANT

Transport hazard class(es)

Class 9
Subsidiary risk Packing group III
Environmental hazards

Marine pollutant Yes nS F-A, S-F

EmS F-A, S-

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. ransport in bulk according to Not established.

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

the IBC Code

DOT; IATA; IMDG



### Marine pollutant



**General information** DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

### 15. Regulatory information

**US federal regulations**This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200. It may be reportable under the provisions of SARA Sections 311

and 312 if specific threshold criteria are met or exceeded.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S- 1.0 % One-Time Export Notification only.

TRIAZINE (CAS 4719-04-4)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not regulated.

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### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes

chemical

### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

J

Not regulated.

Food and Drug

(SDWA)

Not regulated.

Administration (FDA)

#### US state regulations

### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

#### **US. Massachusetts RTK - Substance List**

MONOISOPROPANOLAMINE (CAS 78-96-6)

TRIETHANOLAMINE (CAS 102-71-6)

### US. New Jersey Worker and Community Right-to-Know Act

MONOISOPROPANOLAMINE (CAS 78-96-6)

TRIETHANOLAMINE (CAS 102-71-6)

### US. Pennsylvania Worker and Community Right-to-Know Law

MONOISOPROPANOLAMINE (CAS 78-96-6)

TRIETHANOLAMINE (CAS 102-71-6)

#### **US. Rhode Island RTK**

Not regulated.

California South Coast Air Quality Management

IN COMPLIANCE WITH CALIFORNIA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, SALE OF THIS PRODUCT IS PROHIBITED IN THE SCAQMD (inclusive).

District (SCAQMD) Rule 1144 (VOC Emissions)

#### **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

### International Inventories

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
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

Material name: SOLUBLE OIL 7863D Version #: 01 Issue date: 06-04-2015 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 this product complies with the inventory requirements administered by the governing country(s)

# 16. Other information, including date of preparation or last revision

06-04-2015 Issue date

Version # 01

Not available. **Further information** 

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.

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