



# SAFETY DATA SHEET

## Section 1: Identification

**Product identifier** TRIM® MicroSol™ 585XT  
**Other means of identification** None.  
**Recommended use of the chemical and restrictions on use**  
**Recommended use** Metal working fluids  
**Restrictions on use** Applicable for industrial settings only. No other uses are advised.

### Details of manufacturer or importer

#### Supplier

**Company name** Industrial Lubricants & Services Ltd  
**Address** 15 Accent Drive  
East Tamaki 2013  
Auckland  
New Zealand  
**Telephone** 64 9 2740159

**Manufacturer** Master Fluid Solutions (Tianjin)  
**Address** No. 66, No.9 Xin Ye Street, TEDA (West)  
Tianjin 300462  
P.R. China  
**e-mail** info@masterchemical.com.cn

**Emergency telephone number** 0800 10 40 17 ( NZ use only)

**NEW ZEALAND NATIONAL POISONS CENTRE** 0800 764 766

## Section 2: Hazard identification

**HSNO classification** 6.3A - Substances that are irritating to the skin  
6.4A - Substances that are irritating to the eye

This material has been classified in accordance with Hazardous Substances (Safety Data Sheets) Notice 2017 and classified as hazardous according to the Hazardous Substances (Classification) Regulations 2001.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2020 Transport of Dangerous Goods on Land.

**Routes of exposure** Skin contact. Eye contact.

### Classification of the hazardous chemical

**Physical hazards** Not classified.  
**Health hazards** Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
**Environmental hazards** Not classified.

### Label elements, including precautionary statements

#### Hazard symbol(s)



Exclamation mark

**Signal word** Warning

**Hazard statement(s)** Causes skin irritation. Causes eye irritation.

#### Precautionary statement(s)

**Prevention** Wash hands thoroughly after handling. Wear protective gloves.

<b>Response</b>	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several 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.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards which do not result in classification</b>	None.
<b>Supplemental information</b>	None.

### Section 3: Composition/information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
SEVERELY HYDROTREATED PETROLEUM OIL	64742-53-6	30 - < 40
AMINE NEUTRALIZED PHOSPHATE ESTERS	Mixture	5 - < 10
PHENOXYISOPROPANOL	770-35-4	3 - < 5
AMINE NEUTRALIZED CARBOXYLIC ACIDS	Mixture	1 - < 3
Other components below reportable levels		50 - < 60

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

### Section 4: First-aid measures

#### Description of necessary first aid measures

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash affected area with mild soap and water.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
<b>Ingestion</b>	In the unlikely event of swallowing contact a physician or poison control centre.

**Notes to physician** Provide general supportive measures and treat symptomatically.

**Personal protection for first-aid responders** Get medical attention, if needed.

### Section 5: Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Combustion products may contain oxides of: Carbon (CO<sub>x</sub>) Nitrogen (NO<sub>x</sub>) Phosphorus

**Special protective equipment and precautions for firefighters** Wear suitable protective equipment. Use standard firefighting procedures and consider the hazards of other involved materials.

### Section 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Keep unnecessary personnel away. For personal protection, see section 8. Use personal protective equipment as required.
<b>For emergency responders</b>	Use personal protective equipment as required.

**Environmental precautions** Prevent entry into waterways, sewer, basements or confined areas.

**Methods and materials for containment and cleaning up** Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.

### Section 7: Handling and storage

**Precautions for safe handling** Do not taste or swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities** Store in a closed container. The product is stable and non-reactive under normal conditions of use, storage and transport. Store in a dry place.

### Section 8: Exposure controls/personal protection

**Control parameters** Follow standard monitoring procedures.

## Occupational exposure limits

### New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-53-6)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.

### Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-53-6)	TWA	5 mg/m3	Mist.

## Biological limit values

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

## Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Eye wash fountain and emergency showers are recommended.

## Individual protection measures, for example personal protective equipment (PPE)

**Eye/face protection** Safety glasses.

### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

**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.

## Hygiene measures

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.

## Section 9: Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid.

**Colour** Yellow

**Odour** Mild

**Odour threshold** Not available.

**pH** 9.3 - 10.3

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** > 120.0 °C (> 248.0 °F)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

### 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.

Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
<b>Solubility(ies)</b>	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	Not available.
<b>Other physical and chemical parameters</b>	
Flash point class	ASTM D93-08
pH in aqueous solution	9 - 10
Specific gravity	0.943 - 1.043

## Section 10: Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.
<b>Incompatible materials</b>	Strong acids. Powerful oxidizers.
<b>Hazardous decomposition products</b>	To avoid thermal decomposition, do not overheat.

## Section 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	May be irritating to the skin.
<b>Eye contact</b>	May be irritating to eyes.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** May be irritating to the skin. May be irritating to eyes.

<b>Acute toxicity</b>	Not classified.
<b>Skin corrosion/irritation</b>	May be irritating to the skin.
<b>Serious eye damage/eye irritation</b>	May be irritating to eyes.
<b>Respiratory sensitisation</b>	Not classified.
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans
<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

## Section 12: Ecological information

<b>Ecotoxicity</b>	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.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.

<b>Mobility in soil</b>	No data available for this product.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### Section 13: Disposal considerations

<b>Disposal methods</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Residual waste</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Follow precautions for safe handling described in this safety data sheet.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.
<b>Method of disposal that should not be used</b>	Review federal, state/provincial, and local government requirements prior to disposal.

### Section 14: Transport information

<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not regulated

### Section 15: Regulatory information

<b>HSNO Approval Number</b>	HSR002606
<b>HSNO Group Standard</b>	Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2020
<b>HSNO classification</b>	6.3A - Substances that are irritating to the skin 6.4A - Substances that are irritating to the eye

#### Applicable regulations

##### New Zealand Inventory of Chemicals (NZIoC): Registration status

PHENOXYISOPROPANOL (CAS 770-35-4)	HSNO Approved
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-53-6)	May be used as a single component chemical under an appropriate group standard

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### Section 16: Other information

<b>Issue date</b>	18-February-2021
<b>Version No.</b>	01
<b>Key abbreviations or acronyms used</b>	Not available.

**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. Master Fluid Solutions cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

<b>Revision information</b>	Composition / Information on Ingredients: Ingredients Ecological Information: Ecotoxicity Transport Information: Material Transportation Information HazReg Data: International Inventories GHS: Classification
-----------------------------	---