



SAFETY DATA SHEET

Section 1: Identification

Product identifier TRIM® MicroSol® 692XT

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

Address 501 W. Boundary
Perrysburg, OH 43551
USA

e-mail info@masterchemical.com

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 5433:2012 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 serious eye irritation.

Precautionary statement(s)

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

Response	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.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification	None.
Supplemental information	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	64742-52-5	40 - < 50
AMINE NEUTRALIZED PHOSPHATE ESTERS	Mixture	5 - < 10
AMINE NEUTRALIZED CARBOXYLIC ACIDS	Mixture	3 - < 5
PHENOXYISOPROPANOL	770-35-4	1 - < 3
TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE	39423-51-3	1 - < 3
Other components below reportable levels		40 - < 50

Section 4: First-aid measures

Description of necessary first aid measures

Inhalation	Move to fresh air.
Skin contact	Wash affected area with mild soap and water.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
Ingestion	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	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	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_x) Nitrogen (NO_x) 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

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

Occupational exposure limits

New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-52-5)	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 64742-52-5)	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	Straw yellow to amber

Odour Mild amine

Odour threshold Not available.

pH 9.6 - 10

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point 107.0 °C (224.6 °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.
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	157.5 cSt
Kinematic viscosity temp	40 °C (104 °F)
Other physical and chemical parameters	
Flash point class	ASTM D93-08
pH in aqueous solution	8.8 - 9.6
Specific gravity	0.981 - 0.991

Section 10: Stability and reactivity

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

Section 11: Toxicological information

Information on likely routes of exposure

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

Section 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.
Persistence and degradability	No data is available on the degradability of this product.

Bioaccumulative potential	No data available.
Persistence and degradability	No data is available on the degradability of this product.
Mobility in soil	No data available for this product.
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.

Section 13: Disposal considerations

Disposal methods	Dispose of contents/container in accordance with local/regional/national/international regulations.
Residual waste	Dispose of in accordance with local regulations.
Contaminated packaging	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.
Special precautions	Dispose in accordance with all applicable regulations.
Method of disposal that should not be used	None known.

Section 14: Transport information

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

Section 15: Regulatory information

HSNO Approval Number	HSR002606
HSNO Group Standard	Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2020
HSNO classification	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 64742-52-5)	May be used as a single component chemical under an appropriate group standard
TRIMETHYLOLPROPANE POLYOXYPROPYLENE	May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right.
TRIAMINE (CAS 39423-51-3)	

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

Issue date	04-February-2021
Revision date	05-February-2021
Version No.	02
Key abbreviations or acronyms used	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.

Revision information

Section 2: Hazard identification: HSNO classification

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Physical & Chemical Properties: Multiple Properties

Section 15: Regulatory information: HSNO Group Standard

Section 15: Regulatory information: HSNO Approval Number