



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

This material has been classified in accordance with Hazardous Substances (Safety Data Sheets) Notice 2017 and classified as hazardous according to the Global Harmonized System (GHS) Revision 7.

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

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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of water. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: 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
Phosphate Ester	39464-69-2	3 - < 5
Alkanolamine	61791-31-9	1 - < 3
Phenoxyisopropanol	770-35-4	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.

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

Symptoms caused by exposure May cause eye irritation. May cause skin irritation.

Medical attention and special treatment Provide general supportive measures and treat symptomatically.

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.

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

Fire fighting equipment/instructions Containers should be cooled with water to prevent vapour pressure build up.

Hazards from combustion products Combustion products may contain oxides of: Carbon (CO_x) Nitrogen (NO_x) Phosphorus

General fire hazards 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. Use personal protective equipment as required. For personal protection, see section 8 of the SDS.
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. OELs (Workplace Exposure Standards and Biological Exposure Indices)

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 (TLV)

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

Select suitable chemical resistant protective gloves (EN 374) with a protective index 5 (>240 min permeation time). Gloves with shorter breakthrough times may be acceptable providing that a regime of regular glove maintenance/replacement is established and managed. 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.

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 >100.0 Cleveland open cup

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

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)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	157.5 mm ² /s
Kinematic viscosity temp	40 °C (104 °F)
Other physical and chemical parameters	
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.

Information on toxicological effects

Acute toxicity Not classified.

Components	Species	Test Results
Phosphate Ester (CAS 39464-69-2)		
Acute		
Oral		
Point estimate*		500 mg/kg bw

* Point estimate = Converted acute toxicity point estimate

Skin corrosion/irritation	May be irritating to the skin.
Serious eye damage/eye irritation	May be irritating to eyes.
Respiratory irritation	Not available.
Respiratory or skin sensitisation	
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.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Not listed.	
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.
Narcotic effects	None known.
Chronic effects	None known.

Section 12: Ecological information

Ecotoxicity	No ecotoxicity data noted for the ingredient(s).
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
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 to be taken during disposal	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 available.

Section 15: Regulatory information

HSNO Approval Number	HSR002606
HSNO Group Standard	Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2020

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

Phenoxyisopropanol (CAS 770-35-4)	Does not have individual approval but may be used under an appropriate group standard
Phosphate Ester (CAS 39464-69-2)	Does not have individual approval but may be used under an appropriate group standard
Severely Hydrotreated Petroleum Oil (CAS 64742-52-5)	Does not have individual approval but may be used 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

Issue date	04-February-2021
Revision date	06-February-2026
Version No.	03
Key abbreviations or acronyms used	Not available.

Disclaimer

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Revision information

Section 2: Hazard identification: Summary - Health hazards
Composition / Information on Ingredients: Ingredients
Section 4: First-aid measures: Personal protection for first-aid responders
Section 4: First-aid measures: Symptoms caused by exposure
Section 5: Fire-fighting measures: Specific methods
Section 6: Accidental release measures: For non-emergency personnel
Section 8: Exposure controls/personal protection: Hand protection
Section 11: Toxicological information: Carcinogenicity
Section 11: Toxicological information: Narcotic effects
Section 16: Other information: Disclaimer
HazReg Data: Pacific Rim
GHS: Classification