SAFETY DATA SHEET

Section 1: Identification

Product identifier **TRIM® C270**

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 6.3B - Substances that are mildly irritating to the skin

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 3
Environmental hazards	Not classified.	

Label elements, including precautionary statements

Hazard symbol(s) None.

Signal word Warning

Hazard statement(s) Causes mild skin irritation.

Precautionary statement(s)

Prevention Observe good industrial hygiene practices.

Response If skin irritation occurs: Get medical advice/attention.

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
AMINE NEUTRALIZED CARBOXYLIC ACIDS	Mixture	5 - < 10
TRIETHANOLAMINE	102-71-6	5 - < 10
2-(2-AMINOETHOXY)ETHANOL	929-06-6	1 - < 3
2,2',2"-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL	4719-04-4	1 - < 3
Other components below reportable levels		70 - < 80

*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

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, CO2, 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 None under normal conditions. Combustion products may contain oxides of: Carbon (COx) Nitrogen (NOx)

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 Follow standard monitoring procedures.

Occupational exposure limits

New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3

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

Components	Type	Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3

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 facilities and emergency shower must be available when handling this product.

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 pleasant

Odour threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point > 100.0 °C (> 212.0 °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.

Solubility(ies)

Solubility (water) Soluble

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Kinematic viscosity Not available.

Other physical and chemical parameters

Flash point class	ASTM D92-90
pH in aqueous solution	9 - 10
Specific gravity	0.99 - 1.1

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 oxidising agents. Acids. Alkalies.
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	Mild skin irritation.
Eye contact	Not classified.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Mild skin irritation.
Acute toxicity	Not classified.
Skin corrosion/irritation	Mild skin irritation.
Serious eye damage/eye irritation	Not classified.
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	Not classified.
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	Review federal, state/provincial, and local government requirements prior to disposal.

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	6.3B - Substances that are mildly irritating to the skin

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

2-(2-AMINOETHOXY)ETHANOL (CAS 929-06-6)	HSNO Approved
2,2',2"-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL (CAS 4719-04-4)	HSNO Approved

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	18-March-2022
Version No.	01
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	Composition / Information on Ingredients: Ingredients Transport Information: Material Transportation Information HazReg Data: International Inventories GHS: Classification