

# 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 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** 

**Telephone** 

number

**NEW ZEALAND NATIONAL** 

POISONS CENTRE

0800 10 40 17 ( NZ use only)

Section 2: Hazard identification

**HSNO classification** 6.3B - Substances that are mildly irritating to the skin

0800 764 766

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**

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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

<sup>\*</sup>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

Move to fresh air. Inhalation

Skin contact Wash affected area with mild soap and water.

**Eve 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.

Provide general supportive measures and treat symptomatically. Notes to physician

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** None under normal conditions. Combustion products may contain oxides of: Carbon (COx)

products Nitrogen (NOx)

Special protective equipment

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

# Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency

Keep unnecessary personnel away. For personal protection, see section 8. Use personal

personnel protective equipment as required.

For emergency responders Use personal protective equipment as required.

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

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

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

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

Follow standard monitoring procedures. **Control parameters** 

#### Occupational exposure limits

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

Components	Туре	Value	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	
US. ACGIH Threshold Limit Values	S		
Components	Туре	Value	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	

Material name: TRIM® C270 SDS NEW ZEALAND Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components Type Value

TWA

TRIETHANOLAMINE (CAS 102-71-6)

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

**Environment)** 

Components Type Value TWA 5 mg/m3 TRIETHANOLAMINE (CAS

102-71-6)

**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

5 mg/m3

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

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection 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** 

Liquid. Physical state **Form** Liquid. Yellow Colour

Mild pleasant Odour **Odour threshold** Not available. Not available. pН Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

> 100.0 °C (> 212.0 °F) Flash point

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

(%)

Not available. Vapour pressure Not available. Vapour density Relative density Not available.

Solubility(ies)

Soluble Solubility (water)

Partition coefficient

Not available.

(n-octanol/water)

Not available. **Auto-ignition temperature Decomposition temperature** Not available. Kinematic viscosity Not available.

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Other physical and chemical parameters

Flash point class **ASTM D92-90** 

9 - 10 pH in aqueous solution 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.

Stable at normal conditions. Chemical stability

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.

Strong oxidising agents. Acids. Alkalies. Incompatible materials

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. Not classified. Eye contact

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Mild skin irritation.

Not classified. Acute toxicity Mild skin irritation. Skin corrosion/irritation Not classified. Serious eye damage/eye

irritation

Not classified. Respiratory sensitisation

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.

Not classifiable as to carcinogenicity to humans Carcinogenicity

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

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity** 

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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

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.

Dispose of in accordance with local regulations. Residual waste

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

Follow precautions for safe handling described in this safety data sheet.

Dispose in accordance with all applicable regulations. Special precautions

Method of disposal that should Review federal, state/provincial, and local government requirements prior to disposal.

not be used

Material name: TRIM® C270 SDS NEW ZEALAND

## **Section 14: Transport information**

#### **IATA**

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Not regulated

Annex II of MARPOL 73/78 and

the IBC Code

## **Section 15: Regulatory information**

HSNO Approval Number HSR002606

HSNO Group Standard 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)TRIE HSNO Approved THANOL (CAS 4719-04-4)

#### International Inventories

Country(s) or regionInventory nameOn inventory (yes/no)\*New ZealandNew Zealand InventoryYes

\*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

Disclaimer

Not available.

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

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

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