



# SAFETY DATA SHEET

## Section 1: Identification

**Product identifier** TRIM® GRIND WC

**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**  
8.3A - Substances that are corrosive to ocular tissue  
6.3A - Substances that are irritating to the skin  
9.1C - Substances that are harmful in the aquatic environment

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 1

**Environmental hazards** Hazardous to the aquatic environment, long-term hazard Category 3

### Label elements, including precautionary statements

**Hazard symbol(s)**



Corrosion

**Signal word** Danger

**Hazard statement(s)** Causes skin irritation. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

|  |  |
|--|--|
| <b>Precautionary statement(s)</b>                          |  |
| <b>Prevention</b>  | Wear eye protection/face protection. Wear protective gloves. Wash hands thoroughly after handling. Avoid release to the environment.   |
| <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. Immediately call a poison centre/doctor. If skin irritation occurs: 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 |
|--|---|------------------------------|
| 2-(2-AMINOETHOXY)ETHANOL                 | 929-06-6                                | 3 - < 5                      |
| AMINE NEUTRALIZED PHOSPHATE ESTERS       | Mixture                                 | 3 - < 5                      |
| AMINE NEUTRALIZED CARBOXYLIC ACIDS       | Mixture                                 | 1 - < 3                      |
| Other components below reportable levels |   | 90 - 100                     |

\*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. Do not induce vomiting. |

**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** Carbon (CO<sub>x</sub>) Nitrogen (NO<sub>x</sub>) Phosphorus

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

### 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

|  |   |
|--|---|
| <b>Control parameters</b>  | Follow standard monitoring procedures.  |
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).   |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>  | 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.               |
| <b>Individual protection measures, for example personal protective equipment (PPE)</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves.   |
| <b>Other</b>   | Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>  | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>Hygiene measures</b>  | 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

|   |                         |
|---|-------------------------|
| <b>Appearance</b>                                   |                         |
| <b>Physical state</b>                               | Liquid.                 |
| <b>Form</b>   | Liquid.                 |
| <b>Colour</b>                                       | Light yellow to amber   |
| <b>Odour</b>  | Mild pleasant           |
| <b>Odour threshold</b>                              | Not available.          |
| <b>pH</b>   | 9.2 - 10.2              |
| <b>Melting point/freezing point</b>                 | Not available.          |
| <b>Initial boiling point and boiling range</b>      | Not available.          |
| <b>Flash point</b>                                  | > 100.0 °C (> 212.0 °F) |
| <b>Evaporation rate</b>                             | Not available.          |
| <b>Flammability (solid, gas)</b>                    | Not available.          |
| <b>Upper/lower flammability or explosive limits</b> |                         |
| <b>Flammability limit - lower (%)</b>               | Not available.          |
| <b>Flammability limit - upper (%)</b>               | Not available.          |
| <b>Explosive limit - lower (%)</b>                  | Not available.          |
| <b>Explosive limit - upper (%)</b>                  | Not available.          |
| <b>Vapour pressure</b>                              | Not available.          |
| <b>Vapour density</b>                               | Not available.          |
| <b>Relative density</b>                             | Not available.          |
| <b>Solubility(ies)</b>                              |                         |
| <b>Solubility (water)</b>                           | Soluble                 |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.          |
| <b>Auto-ignition temperature</b>                    | Not available.          |
| <b>Decomposition temperature</b>                    | Not available.          |
| <b>Kinematic viscosity</b>                          | Not available.          |
| <b>Other physical and chemical parameters</b>       |                         |
| <b>Flash point class</b>                            | ASTM D92-90             |
| <b>pH in aqueous solution</b>                       | 9.2 - 10.2              |
| <b>Specific gravity</b>                             | 1.021 - 1.129           |

## 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. Alkalies.   |
| <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>  | Causes serious eye damage.                                |
| <b>Ingestion</b>  | Expected to be a low ingestion hazard.                    |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Causes serious eye damage. May be irritating to the skin. |

|   |  |
|---|--|
| <b>Acute toxicity</b>                                     | Not classified.  |
| <b>Skin corrosion/irritation</b>                          | May be irritating to the skin.   |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye damage.   |
| <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>                   | Harmful to aquatic life with long lasting effects.  |
| <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>New Zealand Class</b> | Not regulated.                    |
| <b>IATA</b>              | 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** 8.3A - Substances that are corrosive to ocular tissue  
6.3A - Substances that are irritating to the skin  
9.1C - Substances that are harmful in the aquatic environment

**Applicable regulations****New Zealand Inventory of Chemicals (NZIoC): Registration status**

2-(2-AMINOETHOXY)ETHANOL (CAS 929-06-6) 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** 15-February-2021  
**Revision date** 17-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**

Composition / Information on Ingredients: Ingredients  
HazReg Data: International Inventories  
GHS: Classification