# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **TRIM® SC536**

**Other means of identification** None.

**Recommended use** Metal Working Fluids.

**Recommended restrictions** Applicable for industrial settings only. No other uses are advised.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company Name** Master Chemical Corp d/b/a Master Fluid Solutions

**Address** 501 West Boundary Street
Perrysburg, Ohio 43551-1200
United States

**Telephone** 419-874-7902

**Website** www.masterfluidsolutions.com

**E-mail** info@masterchemical.com

**Emergency phone number** CHEMTREC 1-800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Signal word** Warning

**Hazard statement** Causes skin irritation. Causes serious eye irritation.

**Precautionary statement**

**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.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| TRIETHANOLAMINE | | 102-71-6 | 5 - < 10 |
| TRADE SECRET* | | Proprietary* | 3 - < 5 |
| TRADE SECRET* | | Proprietary* | 1 - < 3 |

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| TRADE SECRET* | | Proprietary* | 1 - < 3 |
| Other components below reportable levels | | | 80 - < 90 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. 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 center.

**Most important symptoms/effects, acute and delayed** None known.

**General information** Get medical attention, if needed.

## 5. Fire-fighting measures

**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.

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

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** For personal protection, see section 8 of the SDS. Keep unnecessary personnel away. Use personal protective equipment as required.

**Methods and materials for containment and cleaning up** Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.

## 7. Handling and storage

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

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

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

**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, such as personal protective equipment**

**Eye/face protection** Safety glasses.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

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

**General hygiene considerations** 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.

## 9. Physical and chemical properties

**Physical state** Liquid.

| | |
|---|---|
| **Color** | Colorless to pale yellow |
| **Odor** | Mild chemical |
| **Odor threshold** | Not available. |
| **pH** | 9.5 - 10.5 |
| **Melting point/freezing point** | 21.2 °F (-6 °C) |
| **Initial boiling point and boiling range** | 208.4 °F (98 °C) |
| **Flash point** | > 208.4 °F (> 98.0 °C) |
| **Evaporation rate** | < 1 BuAc |
| **Flammability (solid, gas)** | Not applicable. |
| **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. |
| **Vapor pressure** | Not available. |
| **Vapor 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. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Flash point class** | ASTM D92-90 |
| **pH in aqueous solution** | 9.4 - 9.8 |
| **Specific gravity** | 0.985 - 1.089 |

## 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 polymerization 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. |

## 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. |

| Product | Species | Test Results |
|---|---|---|
| TRIM® SC536 | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000, mg/kg |
| **Inhalation** | | |
| LC50 | Rat | > 201, mg/l |
| **Oral** | | |
| LD50 | Rat | > 5000, mg/kg |

**Skin corrosion/irritation** May be irritating to the skin.

**Serious eye damage/eye irritation** May be irritating to eyes.

**Respiratory or skin sensitization**

**Respiratory sensitization** Classification not possible. Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Classification not possible.

**Specific target organ toxicity - repeated exposure** Classification not possible.

**Aspiration hazard** Classification not possible. Not an aspiration hazard.

**Chronic effects** None known.

## 12. Ecological information

**Ecotoxicity** Not available.

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

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**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.

## 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** 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.

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**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 established.

## 15. Regulatory information

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**US state regulations**

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) 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).

## 16. Other information, including date of preparation or last revision

**Issue date** 06-01-2015

**Revision date** 08-28-2017

**Version #** 02

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| | |
|---|---|
| **Revision information** | Identification: Recommended restrictions<br>Exposure controls/personal protection: Appropriate engineering controls<br>Toxicological Information: Toxicological Data<br>HazReg Data: International Inventories<br>GHS: Classification |