



SAFETY DATA SHEET

1. Identification

Product identifier TRIM® SC520
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 | % |
|-------------------------------------|--------------------------|------------|----------|
| SEVERELY HYDROTREATED PETROLEUM OIL | | 64742-52-5 | 5 - < 10 |
| TRIETHANOLAMINE | | 102-71-6 | 5 - < 10 |

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|--------------|-----------|
| TRADE SECRET* | | Proprietary* | 3 - < 5 |
| MONOETHANOLAMINE | | 141-43-5 | 1 - < 3 |
| TRADE SECRET* | | Proprietary* | 1 - < 3 |
| TRADE SECRET* | | Proprietary* | 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.

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. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|---|------|------------------|-------|
| MONOETHANOLAMINE (CAS 141-43-5) | PEL | 6 mg/m3 | |
| SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-52-5) | PEL | 3 ppm 5 mg/m3 | Mist. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|------------------------------------|------|-------|------|
| MONOETHANOLAMINE (CAS 141-43-5) | STEL | 6 ppm | |
| | TWA | 3 ppm | |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|------|---------|---------------------|
| SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |
| TRIETHANOLAMINE (CAS 102-71-6) | TWA | 5 mg/m3 | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|------|---------------------------|-------|
| MONOETHANOLAMINE (CAS 141-43-5) | STEL | 15 mg/m3 | |
| | TWA | 6 ppm 8 mg/m3 3 ppm | |
| SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-52-5) | STEL | 10 mg/m3 | Mist. |

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

Blue

Odor

Mild amine

Odor threshold

Not available.

pH

10.2 - 10.6

Melting point/freezing point

21.4 °F (-5.89 °C)

Initial boiling point and boiling range

210.09 °F (98.94 °C)

Flash point

> 199.9 °F (> 93.3 °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 D93-08 |
| pH in aqueous solution | 9.6 - 10 |
| Specific gravity | 0.979 - 1.082 |

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® SC520 | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | > 2000, mg/kg |
| Inhalation | | |
| LC50 | Rat | > 200, 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

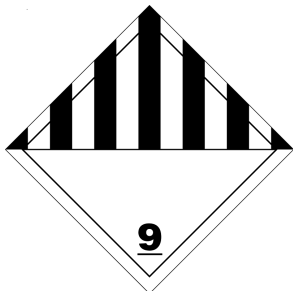
Not regulated as dangerous goods.

IMDG

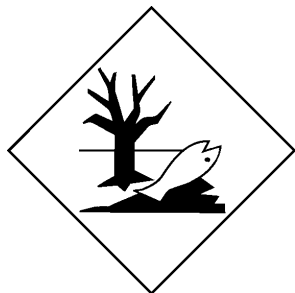
| | |
|-------------------------------------|---|
| UN number | UN3082 |
| UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKANES, C14-16, CHLORO) |
| Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | |
| Marine pollutant | Yes |
| EmS | F-A, S-F |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

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)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| 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 05-27-2015

Revision date 08-29-2017

Version # 03

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 Chemical Corp d/b/a 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

Identification: Recommended restrictions
Composition / Information on Ingredients: Ingredients
Exposure controls/personal protection: Appropriate engineering controls
Toxicological Information: Toxicological Data
Transport Information: Material Transportation Information
HazReg Data: International Inventories
GHS: Classification