

# Safety Data Sheet

## 1. Product and Company Identification

|                                  |   |
|----------------------------------|---|
| <b>Product Name:</b>             | Stainless Steel   |
| <b>Identified uses:</b>          | Laboratory chemicals, Synthesis of substances   |
| <b>Contact Information:</b>      | MTI Corporation<br>860 South 19 <sup>th</sup> Street<br>Richmond, CA 94804, USA<br>Tel: 510-525-3070<br>Fax: 510-525-4705<br>Email: <a href="mailto:info@mtixtl.com">info@mtixtl.com</a><br>Website: <a href="http://www.mtixtl.com">www.mtixtl.com</a> |
| <b>Non-emergency assistance:</b> | 1-888-525-3070  |
| <b>Emergency assistance:</b>     | Company: CHEMTEL (MTI Contract# MIS2559467) Day or Night<br>Tel (Within USA and Canada): 1-800-255-3924<br>Tel (Outside USA and Canada): 1-813-248-0585   |

## 2. Hazards Identification

*For the full text of the H-Statements mentioned in this Section, see Section 16.*

### HMIS Rating

|                        |   |
|------------------------|---|
| Health hazard:         | 0 |
| Chronic Health Hazard: |   |
| Flammability:          | 0 |
| Physical Hazard:       | 0 |

### NFPA Rating

|                    |   |
|--------------------|---|
| Health hazard:     | 0 |
| Fire Hazard:       | 0 |
| Reactivity Hazard: | 0 |

### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### Hazards not otherwise classified (HNOC) or not covered by GHS

None

## 3. Composition/Information on Ingredients

### 4. Main Components

| Component | Percentage |
|-----------|------------|
| Fe        | ~70%       |
| Cr        | ~15-20%    |
| Ni        | ~8-12%     |

No components need to be disclosed according to the applicable regulations.

## 5. First Aid Measures

### 5.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. make victim drink water (two glasses at most). Consult a physician.

**5.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**5.3 Indication of any immediate medical attention and special treatment needed**

No data available

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## 6. Firefighting Measures

**6.1 Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**6.2 Special hazards arising from the substance mixture**

Carbon oxides

Sulfur oxides

Oxides of phosphorus

Iron oxides

silicon oxides

Manganese/manganese oxides

Chromium oxides

Not combustible.

Ambient fire may liberate hazardous vapours.

**6.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**6.4 Further Information**

Suppress (knock down) gases/vapors/mists with a water spray jet.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## 7. Accidental Release Measures

**7.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

**7.2 Environmental precautions**

Do not let product enter drains

**7.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry.

Dispose of properly. Clean up affected area. Avoid generation of dusts.

**7.4 Reference to other sections**

For disposal see section 13.

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## 8. Handling and Storage

**8.1 Precautions for safe handling**



Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

**8.2 Conditions for safe storage, including any incompatibilities**

Contains no substances with occupational exposure limit value

**8.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 9. Exposure Control/ Personal Protection

### 9.1 Control parameters

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### 9.2 Exposure controls

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

If used in solution, or mixed with other substances, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 10. Physical and Chemical Properties

### 10.1 Information on basic physical and chemical properties

- |                                 |                   |
|---------------------------------|-------------------|
| a) Appearance                   | Form: Sheet       |
| b) Odor                         | No data available |
| c) Odor Threshold               | No data available |
| d) pH                           | No data available |
| e) Melting point/freezing point | No data available |



|   |                   |
|---|-------------------|
| f) Initial boiling point and boiling range      | No data available |
| g) Flash point                                  | No data available |
| h) Evaporation rate                             | No data available |
| i) Flammability (solid, gas)                    | Not Flammable     |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapor pressure                               | No data available |
| l) Vapor density                                | No data available |
| m) Relative density                             | No data available |
| n) Water solubility                             | No data available |
| o) Partition coefficient: n-octanol/water       | No data available |
| p) Auto-ignition temperature                    | No data available |
| q) Decomposition temperature                    | No data available |
| r) Viscosity                                    | No data available |
| s) Explosive properties                         | No data available |
| t) Oxidizing properties                         | No data available |

### 10.2 Other safety information

No data available

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## 11. Stability and Reactivity

### 11.1 Reactivity

No data available

### 11.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

### 11.3 Possibility of hazardous reactions

No data available

### 11.4 Conditions to avoid

No data available

### 11.5 Incompatible materials

Strong oxidizing agents.

### 11.6 Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

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## 12. Toxicological Information

### 12.1 Information on toxicological effects

#### Acute toxicity

Inhalation: No data available

Dermal: No data available

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

Limited evidence of a carcinogenic effect.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## 13. Ecological Information

### 13.1 Toxicity

No data available

### 13.2 Persistence and degradability

No data available

### 13.3 Bioaccumulative potential

No data available

### 13.4 Mobility in soil

No data available

### 13.5 Results of PBT and vPvB assessment PBT/vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 13.6 Other adverse effects

No data available

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## 14. Disposal Considerations

### 14.1 Waste treatment methods

**Product**

Waste material must be disposed of in accordance with the national and local No mixing with other waste. Handle uncleaned containers like the product.

**Contaminated packaging**

Dispose of as unused product.

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## 15. Transport Information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Further information**

Not classified as dangerous in the meaning of transport regulations.

## 16. Regulatory Information

### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

No SARA Hazards

### **Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act.

### **Pennsylvania Right to Know Components**

No components are subject to the Pennsylvania Right to Know Act.

### **New Jersey Right to Know Components**

No components are subject to the New Jersey Right to Know Act.

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## 17. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, it does not represent any guarantee of the properties of the product. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.