# SAFETY DATA SHEET

## 1. Identification

**Material name:** TUF-STRAND SF 5#/BAG 5x5x30  
**Material:** 101T 96

**Recommended use and restriction on use**  
**Recommended use:** Article  
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**  
**EUCLID CHEMICAL COMPANY**  
**19218 REDWOOD ROAD**  
**CLEVELAND OH 44110**  
**US**  
**Contact person:** EH&S Department  
**Telephone:** 216-531-9222  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

**Hazard Classification**  
Not classified

**Label Elements**

- **Hazard Symbol:** No symbol  
- **Signal Word:** No signal word.  
- **Hazard Statement:** Not applicable  
- **Precautionary Statements**
  - **Hazard(s) not otherwise classified (HNOC):** None.

## 3. Composition/information on ingredients

**Mixtures**

- **Composition Comments:** The components are not hazardous or are below required disclosure limits.
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4. First-aid measures

**Ingestion:** Rinse mouth thoroughly.

**Inhalation:** Move to fresh air.

**Skin Contact:** Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

**Eye contact:** Rinse immediately with plenty of water.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** May cause skin and eye irritation.

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

**Treatment:** Get medical attention if symptoms occur.

5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No data available.

**Methods and material for containment and cleaning up:** Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and storage

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Use mechanical ventilation in case of handling which causes formation of dust.

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. Store in original tightly closed container.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits
None of the components have assigned exposure limits.

Appropriate Engineering Controls
Mechanical ventilation or local exhaust ventilation may be required.
Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: Wear goggles/face shield.

Skin Protection
Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

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 to remove contaminants. Discard contaminated footwear that cannot be cleaned.
9. Physical and chemical properties

Appearance
  Physical state: solid
  Form: No data available.
  Color: White
Odor:
  Odor: Odorless
  Odor threshold: No data available.
  pH: No data available.
Melting point/freezing point:
  No data available.
Initial boiling point and boiling range:
  220 °C 428 °F
Flash Point:
  329 °C 625 °F
Evaporation rate:
  No data available.
Flammability (solid, gas):
  No
Upper/lower limit on flammability or explosive limits
  Flammability limit - upper (%): No data available.
  Flammability limit - lower (%): No data available.
  Explosive limit - upper (%): No data available.
  Explosive limit - lower (%): No data available.
Vapor pressure:
  No data available.
Vapor density:
  No data available.
Relative density:
  0.9
Solubility(ies)
  Solubility in water: Insoluble in water
  Solubility (other): No data available.
Partition coefficient (n-octanol/water):
  No data available.
Auto-ignition temperature:
  No data available.
Decomposition temperature:
  No data available.
Viscosity:
  No data available.

10. Stability and reactivity

Reactivity:
  No data available.
Chemical Stability:
  Material is stable under normal conditions.
Possibility of hazardous reactions:
  No data available.
Conditions to avoid:
  Avoid heat or contamination.
Incompatible Materials:
  No data available.
Hazardous Decomposition Products:
  Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
## 11. Toxicological information

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Moderately irritating to skin with prolonged exposure.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Eye contact is possible and should be avoided.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be ingested by accident. Ingestion may cause irritation and malaise.</td>
</tr>
</tbody>
</table>

**Symptoms related to the physical, chemical and toxicological characteristics**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Product</td>
<td>Not classified for acute toxicity based on available data.</td>
</tr>
<tr>
<td>Dermal Product</td>
<td>Not classified for acute toxicity based on available data.</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
</tr>
</tbody>
</table>

**Repeated dose toxicity**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Skin Corrosion/Irritation**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Serious Eye Damage/Eye Irritation**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Respiratory or Skin Sensitization**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Carcinogenicity**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:  
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:  
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro  
Product: No data available.

In vivo  
Product: No data available.

Reproductive toxicity  
Product: No data available.

Specific Target Organ Toxicity - Single Exposure  
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure  
Product: No data available.

Aspiration Hazard  
Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish  
Product: No data available.

Aquatic Invertebrates  
Product: No data available.

Chronic hazards to the aquatic environment:

Fish  
Product: No data available.
Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG: Not Regulated

CFR / DOT: Not Regulated

IMDG: Not Regulated

Further Information: 800000040063
The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

### 15. Regulatory information

**US Federal Regulations**

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
- None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
- None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
- None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

- **Hazard categories**
  - Not classified
  - Not classified

- **SARA 302 Extremely Hazardous Substance**
  - None present or none present in regulated quantities.

- **SARA 304 Emergency Release Notification**
  - None present or none present in regulated quantities.

- **SARA 311/312 Hazardous Chemical**
  - None present or none present in regulated quantities.
  - None present or none present in regulated quantities.

- **SARA 313 (TRI Reporting)**
  - None present or none present in regulated quantities.

- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
  - None present or none present in regulated quantities.

- **Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**
  - None present or none present in regulated quantities.

**US State Regulations**

- **US. California Proposition 65**
  - No ingredient requiring a warning under CA Prop 65.

- **US. New Jersey Worker and Community Right-to-Know Act**
  - No ingredient regulated by NJ Right-to-Know Law present.

- **US. Massachusetts RTK - Substance List**
  - No ingredient regulated by MA Right-to-Know Law present.

- **US. Pennsylvania RTK - Hazardous Substances**
  - No ingredient regulated by PA Right-to-Know Law present.
US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

International regulations

**Montreal protocol**
Not applicable

**Stockholm convention**
Not applicable

**Rotterdam convention**
Not applicable

**Kyoto protocol**
Not applicable

**VOC:**
Regulatory VOC (less water and exempt solvent) : 0 g/l
VOC Method 310 : 0.00 %
Inventory Status:
Australia AICS: One or more components in this product are not listed on or exempt from the Inventory.

Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory.

EINECS, ELINCS or NLP: One or more components in this product are not listed on or exempt from the Inventory.

Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory.

China Inv. Existing Chemical Substances: One or more components in this product are not listed on or exempt from the Inventory.

Korea Existing Chemicals Inv. (KECI): One or more components in this product are not listed on or exempt from the Inventory.

Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory.

Philippines PICCS: One or more components in this product are not listed on or exempt from the Inventory.

US TSCA Inventory: All components in this product are listed on or exempt from the Inventory.

New Zealand Inventory of Chemicals: One or more components in this product are not listed on or exempt from the Inventory.

Japan ISHL Listing: One or more components in this product are not listed on or exempt from the Inventory.

Japan Pharmacopoeia Listing: One or more components in this product are not listed on or exempt from the Inventory.

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

Revision Date: 01/11/2019
Version #: 2.0
Further Information: No data available.
Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.