



# Safety Data Sheet

Issue date 10-Jul-2018

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Revision Number 1

## 1. IDENTIFICATION

### Product identification

|                               |                         |
|-------------------------------|-------------------------|
| Product identifier            | Tuff-Grit Abrasive Belt |
| Other means of identification | 51857                   |
| Recommended use               | Abrasive                |
| Restrictions on use           | For industrial use only |

### Supplier

Corporate Headquarters:  
Lawson Products, Inc.  
8770 W. Bryn Mawr Ave., Suite 900  
Chicago, IL 60631  
(866) 837-9908

Canadian Distribution Center:  
Lawson Canada  
7315 Rapistan Court  
Mississauga, ON L5N 5Z4  
(800) 323-5922

**24 Hour Emergency Phone Number** (888) 426-4851 (Prosar)

## 2. HAZARD(S) IDENTIFICATION

**Hazard Classification** While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Symbol** Not applicable

**Signal word** Not applicable

**Hazard statements** Not applicable

### Precautionary statements

**Prevention** Not applicable

**Response** Not applicable

**Storage** Not applicable

**Disposal** Not applicable

**Hazard(s) Not Otherwise Classified (HNOC)** None known.

**Physical Hazards Not Otherwise Classified (PHNOC)** None known.

**Unknown acute toxicity** None known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Composition

| Chemical name                 | CAS-No    | Weight % |
|-------------------------------|-----------|----------|
| Cellulose                     | 9004-34-6 | 30-60    |
| Cured Urea Formaldehyde Resin | 9011-05-6 | 10-30    |
| Aluminum Oxide                | 1344-28-1 | 10-30    |

### 4. FIRST-AID MEASURES

#### Necessary first-aid measures

|                     |                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Remove to fresh air. If not breathing, administer artificial respiration by trained personnel. Seek medical attention immediately.                                                                                             |
| <b>Ingestion</b>    | Do NOT induce vomiting. Contact physician or poison control center immediately. Never give anything by mouth to an unconscious person.                                                                                         |
| <b>Skin contact</b> | Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.                                                                                                                             |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs. |

**Most important symptoms (acute)** Not applicable.

**Most important symptoms (over-exposure)** Not applicable.

**Indication of any immediate medical attention and special treatment needed** Not applicable.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water fog. Water spray.

**Unsuitable extinguishing media** Not applicable.

**Specific hazards** Not applicable.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protection recommended in Section 8. Should not be released into the environment.

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

Pick up and transfer to properly labeled containers. For waste disposal, see section 13 of the SDS.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Use with adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

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

Store in a cool, dry, and well-ventilated place. Keep away from heat. Keep away from incompatible materials. Store away from flammable and combustible materials. Keep container tightly closed and sealed until ready for use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| Chemical name                 | OSHA PEL (TWA)                                      | ACGIH OEL (TWA)          | NIOSH - TWA                                                                 |
|-------------------------------|-----------------------------------------------------|--------------------------|-----------------------------------------------------------------------------|
| Cellulose                     | 15 mg/m <sup>3</sup> TWA<br>5 mg/m <sup>3</sup> TWA | 10 mg/m <sup>3</sup> TWA | 10 mg/m <sup>3</sup> TWA<br>5 mg/m <sup>3</sup> TWA 1 mg/m <sup>3</sup> TWA |
| Cured Urea Formaldehyde Resin | -                                                   | -                        | -                                                                           |
| Aluminum Oxide                | 15 mg/m <sup>3</sup> TWA<br>5 mg/m <sup>3</sup> TWA | 1 mg/m <sup>3</sup> TWA  | -                                                                           |

**Appropriate engineering controls**

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Where such ventilation systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection, and maintenance of the personal protective equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Individual protection measures, such as personal protective equipment****Eye protection**

Wear safety glasses with side shields or goggles. Consult OSHA standard 1910.133.

**Skin and body protection**

Wear appropriate chemical resistant gloves. Wear appropriate clothing to prevent skin contact. Use of an impervious apron is recommended.

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air purifying respirators may not provide adequate protection.

**Hygiene measures**

Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities.

**Canadian Province Occupational Exposure Limits**

| Chemical name                       | Alberta<br>OEL                                         | British<br>Columbia<br>OEL                                | Manitoba<br>OEL             | New<br>Brunswick<br>- OEL   | Newfoundl<br>and &<br>Labrador -<br>OEL | Nova<br>Scotia -<br>OEL     | Ontario<br>OEL              | Prince<br>Edward<br>Island -<br>OEL | Quebec<br>OEL                                                                           | Saskatche<br>wan - OEL                                      |
|-------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------------------|-----------------------------|-----------------------------|-------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Cellulose                           | 10 mg/m <sup>3</sup><br>TWA 5<br>mg/m <sup>3</sup> TWA | 10 mg/m <sup>3</sup><br>TWA<br>3 mg/m <sup>3</sup><br>TWA | 10 mg/m <sup>3</sup><br>TWA | 10 mg/m <sup>3</sup><br>TWA | 10 mg/m <sup>3</sup><br>TWA             | 10 mg/m <sup>3</sup><br>TWA | 10 mg/m <sup>3</sup><br>TWA | 10 mg/m <sup>3</sup><br>TWA         | 10 mg/m <sup>3</sup><br>TWA<br>5 mg/m <sup>3</sup><br>TWA<br>5 mg/m <sup>3</sup><br>TWA | 20 mg/m <sup>3</sup><br>STEL<br>10 mg/m <sup>3</sup><br>TWA |
| Cured Urea<br>Formaldehyde<br>Resin | -                                                      | -                                                         | -                           | -                           | -                                       | -                           | -                           | -                                   | -                                                                                       | -                                                           |
| Aluminum Oxide                      | 10 mg/m <sup>3</sup><br>TWA                            | 1.0 mg/m <sup>3</sup><br>TWA                              | 1 mg/m <sup>3</sup><br>TWA  | 10 mg/m <sup>3</sup><br>TWA | 1 mg/m <sup>3</sup><br>TWA              | 1 mg/m <sup>3</sup><br>TWA  | 1 mg/m <sup>3</sup><br>TWA  | 1 mg/m <sup>3</sup><br>TWA          | 10 mg/m <sup>3</sup><br>TWA<br>5 mg/m <sup>3</sup><br>TWA                               | 20 mg/m <sup>3</sup><br>STEL<br>10 mg/m <sup>3</sup><br>TWA |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                            |                |
|--------------------------------------------|----------------|
| Physical state                             | Solid          |
| Odor                                       | Odorless       |
| Odor threshold                             | Not applicable |
| pH                                         | Not applicable |
| Melting point/range °C                     | Not applicable |
| Melting point/range °F                     | Not applicable |
| Boiling point/range °C                     | Not applicable |
| Boiling point/range °F                     | Not applicable |
| Flash point °C / °F                        | Not applicable |
| Evaporation rate                           | Not applicable |
| Flammability (Solid, Gas)                  | Not applicable |
| Lower explosion limit                      | Not applicable |
| Upper explosion limit                      | Not applicable |
| Vapor pressure                             | Not applicable |
| Vapor density                              | Not applicable |
| Relative density                           | Not applicable |
| Solubility                                 | Not applicable |
| Partition coefficient<br>(n-octanol/water) | Not applicable |
| Autoignition temperature °C                | Not applicable |
| Autoignition temperature °F                | Not applicable |
| Decomposition temperature °C               | Not applicable |

**Decomposition temperature °F** Not applicable

**Viscosity** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity** Not applicable.

**Chemical stability** Stable at normal temperature and pressure.

**Possibility of hazardous reactions** Not applicable.

**Conditions to avoid** Heat, flames and sparks. Avoid contact with incompatible materials. Do not allow to freeze. Do not store below 32 degrees F.

**Incompatible materials** Incompatible with strong acids, alkalis, or oxidizing agents.

**Hazardous decomposition products** Not applicable.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure** Dermal. Inhalation. Ingestion. Eyes.

**Symptoms** Causes eye and skin irritation. May be harmful if swallowed. May cause vomiting or headache. Dizziness.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure** Prolonged or excessive inhalation may cause respiratory tract irritation. Prolonged skin contact may cause skin irritation.

### Numerical measures of toxicity

| Chemical name                 | Inhalation LC50:                     | Dermal LD50:         | Oral LD50:           |
|-------------------------------|--------------------------------------|----------------------|----------------------|
| Cellulose                     | > 5800 mg/m <sup>3</sup> ( Rat ) 4 h | > 2 g/kg ( Rabbit )  | > 5 g/kg ( Rat )     |
| Cured Urea Formaldehyde Resin | > 167 mg/m <sup>3</sup> ( Rat ) 4 h  | > 2100 mg/kg ( Rat ) | = 8394 mg/kg ( Rat ) |
| Aluminum Oxide                | -                                    | -                    | > 5000 mg/kg ( Rat ) |

**ATEmix (dermal)** Not available

**ATEmix (oral)** Not available

**ATEmix (inhalation-gas)** Not available

**ATEmix (inhalation-vapor)** Not available

**ATEmix (inhalation-dust/mist)** Not available

### Carcinogenicity

| Chemical name | ACGIH OEL - Carcinogens | IARC | OSHA RTK Carcinogens | NTP |
|---------------|-------------------------|------|----------------------|-----|
|---------------|-------------------------|------|----------------------|-----|

| Chemical name                 | ACGIH OEL - Carcinogens | IARC    | OSHA RTK Carcinogens | NTP   |
|-------------------------------|-------------------------|---------|----------------------|-------|
| Cellulose                     | -                       | Group 1 | Listed               | Known |
| Cured Urea Formaldehyde Resin | -                       | -       | -                    | -     |
| Aluminum Oxide                | A4                      | -       | -                    | -     |

#### Canadian Province carcinogenicity limits

| Chemical name                 | Alberta - Carcinogen | British Columbia - Carcinogen | Manitoba - Carcinogen | New Brunswick - Carcinogen | Nova Scotia - Carcinogen | Quebec - Carcinogen |
|-------------------------------|----------------------|-------------------------------|-----------------------|----------------------------|--------------------------|---------------------|
| Cellulose                     | -                    | -                             | -                     | -                          | -                        | -                   |
| Cured Urea Formaldehyde Resin | -                    | -                             | -                     | -                          | -                        | -                   |
| Aluminum Oxide                | -                    | -                             | ACGIH A4              | ACGIH A4                   | ACGIH A4                 | -                   |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical name                 | Algae/aquatic plants | Fish |
|-------------------------------|----------------------|------|
| Cellulose                     | -                    | -    |
| Cured Urea Formaldehyde Resin | -                    | -    |
| Aluminum Oxide                | -                    | -    |

**Persistence and degradability** Not available.

### Bioaccumulation

| Chemical name                              | CAS-No    | Partition coefficient (log Kow) |
|--------------------------------------------|-----------|---------------------------------|
| Cellulose<br>9004-34-6                     | 9004-34-6 | -                               |
| Cured Urea Formaldehyde Resin<br>9011-05-6 | 9011-05-6 | -                               |
| Aluminum Oxide<br>1344-28-1                | 1344-28-1 | -                               |

**Mobility in soil** Not available.

**Other adverse effects** Not available

## 13. DISPOSAL CONSIDERATIONS

**Disposal information** Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

**Contaminated packaging** Dispose in accordance with local, state and federal regulations.

## 14. TRANSPORTATION INFORMATION

### Shipping Descriptions

#### DOT

Proper shipping name Not regulated

#### TDG

Proper shipping name Not regulated

#### IATA

Proper shipping name Not regulated

#### IMDG/IMO

Proper shipping name Not regulated

### Marine Pollutants

| Chemical name                 | CAS-No    | USDOT Marine Pollutant | Canada TDG Marine Pollutant | IMDG Marine Pollutant |
|-------------------------------|-----------|------------------------|-----------------------------|-----------------------|
| Cellulose                     | 9004-34-6 | -                      | -                           | -                     |
| Cured Urea Formaldehyde Resin | 9011-05-6 | -                      | -                           | -                     |
| Aluminum Oxide                | 1344-28-1 | -                      | -                           | -                     |

### Special Precautions

Not applicable

## 15. REGULATORY INFORMATION

### State regulations

#### U.S. state Right-to-Know regulations

| Chemical name                 | CAS-No    | Massachusetts - RTK | New Jersey - RTK | Pennsylvania - RTK |
|-------------------------------|-----------|---------------------|------------------|--------------------|
| Cellulose                     | 9004-34-6 | X                   | X                | X                  |
| Cured Urea Formaldehyde Resin | 9011-05-6 | -                   | -                | -                  |
| Aluminum Oxide                | 1344-28-1 | X                   | X                | X                  |

#### California Prop. 65

| Chemical name                 | CAS-No    | California Prop. 65 |
|-------------------------------|-----------|---------------------|
| Cellulose                     | 9004-34-6 | Carcinogen          |
| Cured Urea Formaldehyde Resin | 9011-05-6 | -                   |
| Aluminum Oxide                | 1344-28-1 | -                   |

### U.S. Federal Regulations

#### US EPA SARA 313

| Chemical name | CAS-No    | CERCLA/SARA Hazardous Substances RQ | SARA 313 - Threshold Values |
|---------------|-----------|-------------------------------------|-----------------------------|
| Cellulose     | 9004-34-6 | -                                   | -                           |

| Chemical name                 | CAS-No    | CERCLA/SARA<br>Hazardous Substances RQ | SARA 313 - Threshold Values |
|-------------------------------|-----------|----------------------------------------|-----------------------------|
| Cured Urea Formaldehyde Resin | 9011-05-6 | -                                      | -                           |
| Aluminum Oxide                | 1344-28-1 | -                                      | 1.0 %                       |

**US EPA SARA 311/312  
hazardous categorization**

Not applicable

**International inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

| Chemical name                 | DSL/NDSL | Inventory - United States -<br>Section 8(b) Inventory (TSCA) | U.S. - TSCA (Toxic<br>Substances Control Act) -<br>Section 12(b) - Export<br>Notification |
|-------------------------------|----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Cellulose                     | X        | X                                                            | -                                                                                         |
| Cured Urea Formaldehyde Resin | X        | X                                                            | -                                                                                         |
| Aluminum Oxide                | X        | X                                                            | -                                                                                         |

Legend X - Listed

**16. OTHER INFORMATION****NFPA**

|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 1 |
| Instability  | 0 |

**HMIS**

|                  |   |
|------------------|---|
| Health           | 1 |
| Flammability     | 1 |
| Physical hazards | 0 |

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

**Prepared by** Regulatory Affairs

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**Revision note****Key to abbreviations**

ACGIH (American Conference of Governmental Industrial Hygienists)  
 ATE (Average Toxicity Estimate)  
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)  
 HMIS (Hazardous Materials Identification System)  
 IARC (International Agency for Research on Cancer)  
 IATA (International Air Transport Association)  
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)  
 NFPA (National Fire Protection Association)  
 NTP (National Toxicology Program)

OEL (Occupational Exposure Level)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

TSCA (Toxic Substance Control Act)

USEPA (United States Environmental Protection Agency)

**Disclaimer**

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

**End of Safety Data Sheet**