Safety Data Sheet

Issue date 10-Jul-2018 **Revision date** 10-Jul-2018 **Revision Number** 1

1. IDENTIFICATION

Product identification

Product identifier	Tuff-Grit Flexible Grinding Disc
Other means of identification	27352
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 %
Resin	9003-35-4	10-30
Polyester Textile Continuous Filament	25038-59-9	10-30
Aluminum Oxide	1344-28-1	10-30
Ziroconium Oxide	1314-23-4	10-30
Wollastonite	13983-17-0	5-10
Inorganic Fluorides	N/A	5-10
Polymer/Solids	N/A	1-5
Nylon	N/A	1-5
Calcium Carbonate	471-34-1	1-5
Bisphenol A - Epichlorohydrin polymer	25068-38-6	1-5

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation Remove to fresh air. If not breathing, administer artificial respiration by trained personnel. Seek medical attention immediately.

Ingestion Do NOT induce vomiting. Contact physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin contact Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.

Eye contact 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_2). 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
Resin	-	-	-
Polyester Textile Continuous Filament	-	-	-
Aluminum Oxide	15 mg/m³ TWA 5 mg/m³ TWA	1 mg/m³ TWA	-
Ziroconium Oxide	5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA
Wollastonite	15 mg/m³ TWA 5 mg/m³ TWA	1 mg/m³ TWA	10 mg/m³ TWA 5 mg/m³ TWA
Inorganic Fluorides	-	-	-
Polymer/Solids	-	-	-
Nylon	-	-	-
Calcium Carbonate	15 mg/m³ TWA 5 mg/m³ TWA	-	10 mg/m³ TWA 5 mg/m³ TWA 10 mg/m³ TWA 5 mg/m³ TWA
Bisphenol A - Epichlorohydrin polymer	-	-	-

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 OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Resin	-	-	-	-	-	-	-	-	-	-
Polyester Textile Continuous Filament	-	-	-	-	-	-	-	-	-	-
Aluminum Oxide	10 mg/m³ TWA	1.0 mg/m³ TWA	1 mg/m³ TWA	10 mg/m³ TWA	1 mg/m³ TWA	1 mg/m³ TWA	1 mg/m³ TWA	1 mg/m³ TWA	10 mg/m³ TWAEV	20 mg/m³ STEL 10 mg/m³ TWA
Ziroconium Oxide	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	5 mg/m³ TWA 10 mg/m³ STEL	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA	10 mg/m³ STEV 5 mg/m³ TWAEV	10 mg/m³ STEL 5 mg/m³ TWA
Wollastonite	10 mg/m³ TWA	10 mg/m³ TWA 3 mg/m³ TWA	1 mg/m³ TWA	10 mg/m³ TWA	1 mg/m³ TWA	1 mg/m³ TWA	10 mg/m³ TWA	1 mg/m³ TWA	10 mg/m³ TWAEV 5 mg/m³ TWAEV 10 mg/m³ TWAEV	20 mg/m³ STEL 10 mg/m³ TWA
Inorganic Fluorides	-	-	-	-	-	-	-	-	-	-
Polymer/Solids	-	-	-	-	-	-	-	-	-	-
Nylon	-	-	-	-	-	-	-	-	-	-
Calcium Carbonate	10 mg/m³ TWA	20 mg/m³ STEL 10 mg/m³ TWA 3 mg/m³ TWA	-	10 mg/m³ TWA	-	-	-	-	10 mg/m³ TWAEV 10 mg/m³ TWAEV	20 mg/m³ STEL 10 mg/m³ TWA 10 mg/m³ TWA
Bisphenol A - Epichlorohydrin polymer	-	-	-	-	-	-	-	-	-	-

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 (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:
Resin	-	> 2 g/kg (Rat)	> 5 g/kg (Rat)
Polyester Textile Continuous Filament	-	-	-
Aluminum Oxide	-	-	> 5000 mg/kg (Rat)
Ziroconium Oxide	-	-	-
Wollastonite	-	-	> 5000 mg/kg (Rat)
Inorganic Fluorides	-	-	-
Polymer/Solids	-	-	-
Nylon	-	-	-
Calcium Carbonate	-	-	= 6450 mg/kg (Rat)
Bisphenol A - Epichlorohydrin polymer	-	-	= 11400 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
Resin	-	-	-	-
Polyester Textile Continuous Filament	-	-	-	-
Aluminum Oxide	A4	-	-	-
Ziroconium Oxide	A4	-	-	-
Wollastonite	A4	Group 3	-	-
Inorganic Fluorides	-	-	-	-
Polymer/Solids	-	-	-	-
Nylon	-	-	-	-
Calcium Carbonate	-	-	-	-
Bisphenol A - Epichlorohydrin polymer	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Resin	-	-	-	-	-	-
Polyester Textile	-	-	-	-	-	-

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Continuous Filament						
Aluminum Oxide	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Ziroconium Oxide	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Wollastonite	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Inorganic Fluorides	-	-	-	-	-	-
Polymer/Solids	-	-	-	-	-	-
Nylon	-	-	-	-	-	-
Calcium Carbonate	-	-	-	-	-	-
Bisphenol A - Epichlorohydrin polymer	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Resin	-	-
Polyester Textile Continuous Filament	-	-
Aluminum Oxide	-	-
Ziroconium Oxide	-	-
Wollastonite	-	-
Inorganic Fluorides	-	-
Polymer/Solids	-	-
Nylon	-	-
Calcium Carbonate	-	-
Bisphenol A - Epichlorohydrin polymer	-	-

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Resin 9003-35-4	9003-35-4	-
Polyester Textile Continuous Filament 25038-59-9	25038-59-9	-
Aluminum Oxide 1344-28-1	1344-28-1	-
Ziroconium Oxide 1314-23-4	1314-23-4	-
Wollastonite 13983-17-0	13983-17-0	-
Inorganic Fluorides N/A	N/A	-
Polymer/Solids N/A	N/A	-
Nylon N/A	N/A	-
Calcium Carbonate 471-34-1	471-34-1	-

Chemical name	CAS-No	Partition coefficient (log Kow)
Bisphenol A - Epichlorohydrin polymer 25068-38-6	25068-38-6	-

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
Resin	9003-35-4	-	-	-
Polyester Textile Continuous Filament	25038-59-9	-	-	-
Aluminum Oxide	1344-28-1	-	-	-
Ziroconium Oxide	1314-23-4	-	-	-
Wollastonite	13983-17-0	-	-	-
Inorganic Fluorides	N/A	-	-	-
Polymer/Solids	N/A	-	-	-
Nylon	N/A	-	-	-
Calcium Carbonate	471-34-1	-	-	-
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-	-

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
Resin	9003-35-4	-	-	-
Polyester Textile Continuous Filament	25038-59-9	-	-	-
Aluminum Oxide	1344-28-1	X	X	X
Ziroconium Oxide	1314-23-4	X	-	-
Wollastonite	13983-17-0	X	X	X
Inorganic Fluorides	N/A	-	-	-
Polymer/Solids	N/A	-	-	-
Nylon	N/A	-	-	-
Calcium Carbonate	471-34-1	X	X	X
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-	-

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Resin	9003-35-4	-
Polyester Textile Continuous Filament	25038-59-9	-
Aluminum Oxide	1344-28-1	-
Ziroconium Oxide	1314-23-4	-
Wollastonite	13983-17-0	-
Inorganic Fluorides	N/A	-
Polymer/Solids	N/A	-
Nylon	N/A	-
Calcium Carbonate	471-34-1	-
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Resin	9003-35-4	-	-
Polyester Textile Continuous Filament	25038-59-9	-	-
Aluminum Oxide	1344-28-1	-	1.0 %
Ziroconium Oxide	1314-23-4	-	-
Wollastonite	13983-17-0	-	-
Inorganic Fluorides	N/A	-	-
Polymer/Solids	N/A	-	-
Nylon	N/A	-	-
Calcium Carbonate	471-34-1	-	-
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-

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 - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Resin	X	X	-
Polyester Textile Continuous Filament	X	X	-
Aluminum Oxide	X	X	-
Ziroconium Oxide	X	X	-
Wollastonite	X	X	-
Inorganic Fluorides	-	-	-
Polymer/Solids	-	-	-
Nylon	-	-	-
Calcium Carbonate	X	X	-
Bisphenol A - Epichlorohydrin polymer	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 Orgnaization)
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