Safety Data Sheet

Issue date 21-Sep-2018 **Revision date** 21-Sep-2018 **Revision Number** 1

1. IDENTIFICATION

Product identification

Product identifier	Tuff-Grit Surface Conditioning Disc
Other means of identification	17418
Recommended use	Abrasive
Restrictions on use	For industrial use only, Restricted to professional users

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

Response Not applicable

Storage Not applicable

Disposal Not applicable

Hazard(s) Not Otherwise Classified (HNOC) Not applicable.

Physical Hazards Not Otherwise Classified (PHNOC) Not applicable.

Unknown acute toxicity None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200. "Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.".

Chemical name	CAS-No	Weight %
Aluminum Oxide	1344-28-1	15-45
Cured Resin	N/A	20-65
Nylon Fibers	N/A	15-20
Calcium Carbonate	1317-65-3	0-15
Nylon Backing	N/A	5-10
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	0-3
Titanium dioxide	13463-67-7	0.1-1.5
PVC Resin	9002-86-2	0.5-1.5
Quartz (Crystalline Silica)	14808-60-7	0.001-0.2

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information For further assistance, contact your local Poison Control Center.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion Not an expected route of exposure.

Skin contact Wash area thoroughly with soap and water. Seek medical attention if irritation occurs.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Most important symptoms (acute) See section 11 for toxicological information.

Most important symptoms (over-exposure) None known.

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water. Foam.

Unsuitable extinguishing Not available.

media

Specific hazards Hazardous Thermal Decomposition Products:. Carbon monoxide. Carbon dioxide.

Special protective equipment for fire-fighters In the event of fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear appropriate protective equipment and clothing during cleanup.

Methods and materials for containment and cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage prior to use and replace if necessary. Always wear eye and face protection when working at or near sanding or grinding operations. May form combustible dust concentrations in air. Finely divided dust may form explosive mixture with air. Keep away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Avoid dust formation. Use good housekeeping procedures to prevent accumulations of dust and debris.

Conditions for safe storage, including any incompatibilities No special storage conditions required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Aluminum Oxide	15 mg/m³ TWA 5 mg/m³ TWA	1 mg/m³ TWA	-
Cured Resin	-	-	-
Nylon Fibers	-	-	-
Calcium Carbonate	15 mg/m³ TWA 5 mg/m³ TWA	-	10 mg/m³ TWA 5 mg/m³ TWA
Nylon Backing	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	-	-	-
Titanium dioxide	15 mg/m³ TWA	10 mg/m³ TWA	-
PVC Resin	-	1 mg/m³ TWA	-
Quartz (Crystalline Silica)	50 µg/m³ TWA 50 µg/m³ TWA	0.025 mg/m³ TWA	0.05 mg/m³ TWA

Appropriate engineering controls Provide appropriate exhaust ventilation at places where dust is formed. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit. If ventilation is not adequate, use respiratory protection equipment. Excessive operating speed or generation of extreme heat may result in harmful emissions. Use local exhaust or general dilution ventilation system. Local exhaust ventilation is preferred because it prevents contamination dispersion into the work area by controlling it at it source. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (there is no leakage from the equipment).

Individual protection measures, such as personal protective equipment

Eye protection Always wear eye and face protection when working at or near sanding or grinding operations. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Wear safety glasses with side shields.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection Use a properly fitted, air-purifying or supplied air respirator complying with a approved standard if a risk assessment indicates this is necessary. Consider potential exposure to components of the base materials or coatings being ground or cut. Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator. Half facepiece or full facepiece air-purifying respirator suitable for particulates.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

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
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
Cured Resin	-	-	-	-	-	-	-	-	-	-
Nylon Fibers	-	-	-	-	-	-	-	-	-	-
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	20 mg/m³ STEL 10 mg/m³ TWA
Nylon Backing	-	-	-	-	-	-	-	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	-	-	-	-	-	-	-	-	-	-
Titanium dioxide	10 mg/m³ TWA	10 mg/m³ TWA 3 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWAEV	20 mg/m³ STEL 10 mg/m³ TWA
PVC Resin	-	1 mg/m³ TWA	1 mg/m³ TWA	-	1 mg/m³ TWA	1 mg/m³ TWA	1 mg/m³ TWA	1 mg/m³ TWA	-	-
Quartz (Crystalline Silica)	0.025 mg/m³ TWA	0.025 mg/m³ TWA	0.025 mg/m³ TWA	0.1 mg/m³ TWA	0.025 mg/m³ TWA	0.025 mg/m³ TWA	0.10 mg/m³ TWA	0.025 mg/m³ TWA	0.1 mg/m³ TWAEV	0.05 mg/m³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Solid

Color Gray

Odor Odorless

Odor threshold Not available

pH	Not available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Flash point °C / °F	Not available
Evaporation rate	Not available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal conditions of use.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	See Section 5 for specific fume constituents which may modify this TLV.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Dermal. Inhalation. Ingestion. Eyes.

Symptoms

Respiratory irritation. Coughing. sneezing, nasal discharge, hoarseness, nose and throat pain. Headache. Eye contact may cause mechanical irritation. May cause tearing of the eye, redness and discomfort. Corneal injury. Swelling. Blurred vision. Skin irritation. pain. Itching. redness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

In most cases, the greater hazard is the exposure to the dust and fumes from the material (paint and coatings) being ground. Most of the dust is generated during grinding and cutting of the base material and the potential hazard from this exposure must be evaluated. Repeated or prolonged exposure to respirable crystalline silica may cause chronic lung injury (silicosis). Prolonged inhalation of titanium dioxide above safe exposure limits can cause cancer. No exposure to titanium dioxide or quartz silica is expected during the normal handling and use of the product. Titanium dioxide and quartz silica were not detected when air sampling was conducted during simulated use of similar products containing these substances.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Aluminum Oxide	-	-	> 5000 mg/kg (Rat)
Cured Resin	-	-	-
Nylon Fibers	-	-	-
Calcium Carbonate	-	-	-
Nylon Backing	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	-	> 5000 mg/kg (Rabbit)	> 15 g/kg (Rat)
Titanium dioxide	-	-	> 10000 mg/kg (Rat)
PVC Resin	-	-	-
Quartz (Crystalline Silica)	-	-	-

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
Aluminum Oxide	A4	-	-	-
Cured Resin	-	-	-	-
Nylon Fibers	-	-	-	-
Calcium Carbonate	-	-	-	-
Nylon Backing	-	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	A2	Group 1	Listed	Known
Titanium dioxide	A4	Group 2B	Listed	-
PVC Resin	A4	Group 3	-	-
Quartz (Crystalline Silica)	A2	Group 1	Listed	Known

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Aluminum Oxide	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Cured Resin	-	-	-	-	-	-
Nylon Fibers	-	-	-	-	-	-
Calcium Carbonate	-	-	-	-	-	-
Nylon Backing	-	-	-	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	-	-	ACGIH A2	-	ACGIH A2	-
Titanium dioxide	-	IARC 2B	ACGIH A4	ACGIH A4	ACGIH A4	-
PVC Resin	-	-	ACGIH A4	-	ACGIH A4	-
Quartz (Crystalline Silica)	A2 - Suspected Human Carcinogen	ACGIH A2 IARC 1	ACGIH A2	-	ACGIH A2	C2 carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Aluminum Oxide	-	-
Cured Resin	-	-
Nylon Fibers	-	-
Calcium Carbonate	-	-
Nylon Backing	-	-
Petroleum distillates, hydrotreated heavy paraffinic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50
Titanium dioxide	-	-
PVC Resin	-	-
Quartz (Crystalline Silica)	-	-

Persistence and degradability No data available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Aluminum Oxide 1344-28-1	1344-28-1	-
Cured Resin N/A	N/A	-
Nylon Fibers N/A	N/A	-
Calcium Carbonate 1317-65-3	1317-65-3	-
Nylon Backing N/A	N/A	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-

Chemical name	CAS-No	Partition coefficient (log Kow)
64742-54-7		
Titanium dioxide 13463-67-7	13463-67-7	-
PVC Resin 9002-86-2	9002-86-2	-
Quartz (Crystalline Silica) 14808-60-7	14808-60-7	-

Mobility in soil Not available.

Other adverse effects None known

13. DISPOSAL CONSIDERATIONS

Disposal information Collect, transport, store or dispose in accordance with local, state, provincial and federal regulations. Consult authorities before disposal. Incinerate the material under controlled conditions in an approved incinerator. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable 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
Aluminum Oxide	1344-28-1	-	-	-
Cured Resin	N/A	-	-	-
Nylon Fibers	N/A	-	-	-
Calcium Carbonate	1317-65-3	-	-	-
Nylon Backing	N/A	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	-	-
Titanium dioxide	13463-67-7	-	-	-
PVC Resin	9002-86-2	-	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-	-

Special Precautions Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and

compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Aluminum Oxide	1344-28-1	X	X	X
Cured Resin	N/A	-	-	-
Nylon Fibers	N/A	-	-	-
Calcium Carbonate	1317-65-3	X	X	X
Nylon Backing	N/A	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	X	-
Titanium dioxide	13463-67-7	X	X	X
PVC Resin	9002-86-2	-	X	-
Quartz (Crystalline Silica)	14808-60-7	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer

Chemical name	CAS-No	California Prop. 65
Aluminum Oxide	1344-28-1	-
Cured Resin	N/A	-
Nylon Fibers	N/A	-
Calcium Carbonate	1317-65-3	-
Nylon Backing	N/A	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-
Titanium dioxide	13463-67-7	Carcinogen
PVC Resin	9002-86-2	-
Quartz (Crystalline Silica)	14808-60-7	Carcinogen

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Aluminum Oxide	1344-28-1	-	1.0 %
Cured Resin	N/A	-	-
Nylon Fibers	N/A	-	-
Calcium Carbonate	1317-65-3	-	-
Nylon Backing	N/A	-	-
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	-
Titanium dioxide	13463-67-7	-	-
PVC Resin	9002-86-2	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-

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
Aluminum Oxide	X	X	-
Cured Resin	-	-	-
Nylon Fibers	-	-	-
Calcium Carbonate	X	X	-
Nylon Backing	-	-	-
Petroleum distillates, hydrotreated heavy paraffinic	X	X	-
Titanium dioxide	X	X	-
PVC Resin	X	X	-
Quartz (Crystalline Silica)	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 0
Flammability 1
Instability 0

HMIS

Health Not available
Flammability Not available
Physical hazards Not available

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