SECTION 1: PRODUCT IDENTIFICATION

Product Name:	D-Grip, D-Grip HD
Synonyms:	
Product Number:	10-DG, 10-DGHD
Company:	Durável
Address:	225 Olympic St., Charlotte NC 28273
Business Phone:	(704) 837-7991
Emergency Phone:	Chemtrec US (800) 424-9300 CNN 1014580
Date of Current Revision:	August 19, 2024

SECTION 2: HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status
OSHA Hazard Communication Standard (29 CFR 1910.1200) – Combustible dust

EMERGENCY OVERVIEW: This product is a semi-transparent white aggregate

WARNING

Hazard Statements
May form combustible dust concentrations in the air.

Appearance: White powder **Physical State**: Solid **Odor**: Wax

Precautionary Statements – Prevention

These products are micronized powders.
Static charges on the powders may ignite flammable atmospheres.
High levels of product dust in the atmosphere may present a dust explosion hazard.

Precautionary Statements – Response

IF IN EYES: Immediately flush with copious amounts of water for at least 20 minutes.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CONTROL CENTER/ doctor. Do not induce vomiting. Aspiration hazard. Dilute with 1-2 glasses of water. Get medical aid. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
IF ON SKIN (or hair): Remove contaminated clothing. Wash skin thoroughly with soap and water.
If skin irritation occurs: Get medical advice or attention.

IF INHALED: Treat as a nuisance dust. Remove victim to fresh air and provide oxygen if breathing is difficult. Immediate medical attention not normally required. No delayed effects expected. Call a POISON CENTER/doctor if you feel unwell.

Precautionary Statements - Storage

Store in a closed container.

Precautionary Statements – Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight - %	Trade Secret
Polypropylene	9003-07-0	100	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures

General Advice — If symptoms persist, call a physician.

Eye Contact — IF IN EYES: Immediately flush with copious amounts of water for at least 20 minutes.
If eye irritation persists: Get medical advice/ attention.

Skin Contact — IF ON SKIN (or hair): Remove contaminated clothing. Wash skin thoroughly with soap and water.
If skin irritation occurs: Get medical advice or attention.

Inhalation — IF INHALED: Treat as a nuisance dust. Remove victim to fresh air and provide oxygen if breathing is difficult. Immediate medical attention not normally required. No delayed effects expected. Call a POISON CENTER/doctor if you feel unwell.

Ingestion — IF SWALLOWED: Immediately call a POISON CONTROL CENTER/ doctor. Do not induce vomiting. Aspiration hazard. Dilute with 1-2 glasses of water. Get medical aid. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

SECTION 5: FIRE-FIGHTING MEASURES

Combustible solid

Suitable Extinguishing Media

Carbon Dioxide, dry chemical, or fine water spray. Avoid water stream on molten burning material as it may scatter ans spread the fire.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing approved by NIOSH. Watch footing on floors and stairs because of possible melting and spreading of material. Use spray to keep containers cool.

Unusual Fire and Explosion Hazards

Flash point >530 F° (>277 C°). Melts in proximity to fires, causing slippery floors and stairs. When powder is suspended in air, these products could be FLAMMABLE/ EXPLOSIVE. In these circumstances, keep away from heat, sparks, and open flames. Static charges on powders or powders in liquids may ignite flammable atmospheres. See Section 7 for suggestions on how to use these products under such conditions.
Refer to NFPA Bulletin 654, “Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastic Industries” for safe handling procedures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear recommended personal protective equipment.

Environmental Precautions

Environmental precautions Remove ignition sources. Keep away from heat or flame.

Methods and material for containment and cleaning up

Methods for containment Collect in containers (e.g. fiberboard drums or cartons). If hot liquid, attempt to confine spill and let the polymer solidify. Once solid, it may be recovered as the powder.

Methods for cleaning up Sweep up with a minimum of dusting.

Report major leaks and spills to the appropriate local, state, and federal government agencies.
HAZARD WARNING: These products are micronized powders. Static charges on the powders may ignite flammable atmospheres. High levels of product dust in the atmosphere may present a dust explosion hazard.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice for safe handling

Always wear recommended personal protective equipment. Avoid breathing fumes from heating operations. Avoid spillage which can cause very slippery conditions on floors. Use good personal hygiene and housekeeping.

Electrostatic charges of non-conductive materials is a natural phenomenon ranging from harmless to a nuisance to a hazard, depending on the degree of charging and the environment where the discharge takes place. In the case of micronized polymers and waxes, very high levels of static electricity develop in their manufacture, transportation, and handling. These products, being poor conductors of electricity, can and will hold a static charge for long periods of time. With this in mind, a great deal of care should be exercised when handling this type of product in or around flammable liquids, particularly if the liquid is at or near its flashpoint. The generation of static electricity cannot be prevented because its intrinsic origins are present at every particle interface. Some common sense approaches to the hazards involved with static electricity are as follows:

Use only conductive equipment and keep all components grounded and bonded to the same vessel in order to equalize any potential charge.
Avoid projections and probes that could lead to discharge between the charged polymer and probe.
Avoid flammable condition by the use of inert gases in the container or by providing sufficient exhaust so as to prevent a buildup of flammable solvent vapors.
Never pour micronized polymers or waxes from a drum or large container directly into hot flammable solvents.
Add micronized polymers or waxes slowly and in small quantities to hot flammable solvents.
If possible, do not permit the product to free fall directly into the solvent. Ideally, use a pipe or chute that leads down to the level of the solvent. Make sure the pipe or chute is grounded and bonded.
If mechanical equipment must be used, a slow-turning screw feeder that is grounded is preferred.
Good housekeeping is of prime importance. The building and equipment should be designed to eliminate shelves and ledges and similar places where materials can accumulate.

The above are only suggestions and should not be taken as recommended practices in your establishment and in no way should be considered as comprehensive engineering controls. A more

detailed discussion and recommended practices can be found in NFPA 77 issued by the National Fire Protection Association Inc. in 1988.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store under ambient conditions. Avoid excessive heat. Do not store near strong oxidizing agents and amines.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

Control parameters

Exposure guidelines Powdered forms may generate nuisance particulates upon handing.
ACGIH TLV = 10 mg/m3
OSHA PEL 5 mg/m3

Appropriate engineering controls

Engineering controls Use adequate ventilation during heating processes or if dusty conditions prevail when handling powdered materials. For storage and ordinary handling, general ventilation is adequate.

Individual protection measures, such as personal protective equipment

Eye and face protection Chemical goggles around molten material and in dusty conditions.

Skin and body protection Use heat resistant, impervious gloves to avoid repeated/ prolonged skin contact with molten material and powder. Other protective garments as necessary.

Respiratory protection Use a NIOSH approved dust respirator. During melting or conveying in molten state, use organic respirator.

General Hygiene Considerations Wash skin thoroughly with soap and warm water after handling and before smoking, eating, or applying makeup. If clothes become contaminated, change to clean clothing. Do not wear contaminated clothing until properly laundered.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid	**Odor**	Wax
Appearance	White powder	**Odor Threshold**	Not Applicable
Color	White		

Property	Values	Remarks/Method
pH	Not Available	
Melting point	166-168° C (330.8-334.4° F)	
Boiling point/Boiling range	Not Applicable	
Flash point	>277° C (>530° F)	CC (closed cup)
Evaporation rate	Not Applicable	
Flammability (solid, gas)	Combustible Solid	
Flammability Limit in Air		
Upper flammability limit:	450° F TOC	
Lower flammability limit:	Not Available	
Vapor pressure	Not Applicable	
Vapor density	Heavier than air	
Relative density	0.90 g/cc	
Water solubility	Not Applicable	
Solubility in other solvents	Not Applicable	
Partition coefficient	Not Available	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Explosive properties	Not Applicable	
Oxidizing properties	Not Applicable	

Other Information

VOC Content (%) No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not Available

Chemical stability

Stable at normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization should not occur.

Conditions to avoid

Extreme heat, sparks, and open flame.

Incompatible materials

Avoid contact with strong oxidizing agents and amines.

Hazardous Decomposition Products

These products may emit oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Symptoms	May irritate people with skin problems, asthma, and lung diseases. Susceptible individuals may have an allergic reaction.

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

Skin corrosion/irritation	No data developed. None expected
Serious eye damage/eye irritation	No data developed. Treat as nuisance dust.
Respiratory or skin sensitization	No data developed. Treat as nuisance dust.
Germ cell mutagenicity	No data developed.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	No
STOT – single exposure	No data developed. Treat as nuisance dust.
STOT – repeated exposure	No data developed. Treat as nuisance dust.
Aspiration hazard	No data developed. Aspiration is possible.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data have been developed on this subject. These products are not soluble in water. Potential environmental impact in case of spill or release is considered to be minimal.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Assume conformity with applicable disposal regulations. Preferred method of disposal is in closed containers of sufficient strength to eliminate leakage at approved incineration or chemical landfill waste disposal site in accordance with local regulations. Sewage disposal is discouraged.

The unused product is not a RCRA hazardous waste if discarded.

The information here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

SECTION 14: TRANSPORTATION INFORMATION

DOT	Not regulated
Marine pollutant	Not considered a marine pollutant.
IATA	Not regulated

IMDG Not regulated

SECTION 15: REGULATORY INFORMATION

REACH
All substances registered.

Toxic Substances Control Act (TSCA)
This product or its components are listed on the TSCA Inventory. This product and/or its components do not contain any chemicals subject to any rules or orders under TSCA sections 4, 5, 6, 7, or 8(d).

US Federal Regulations

SARA 302
Does not contain an extremely hazardous substance.

SARA 313
This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
Not regulated.

California Proposition 65
Not regulated.

US New Jersey Worker and Community Right-to-Know Act
New Jersey Statute Annotated Section 34:5A-5: not regulated

Clean Water Act
Contains no known priority pollutants at concentrations greater than 0.1%

SECTION 16: OTHER INFORMATION

Issue Date	August 3, 2020
Revision Date	August 19, 2024
Revision Note	None

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

END OF SAFETY DATA SHEET