Dur-A-Grip
SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Dur-A-Grip

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108
Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: November 6, 2014

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Combustible Dust	Not Hazardous

Labeling:
Warning!

May form combustible dust concentrations in air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Polypropylene Homopolymer	Proprietary	100%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: If irritation develops, remove to fresh air. If irritation persists, get medical attention.
Skin contact: Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation persists. If product is molten, cool skin with large amounts of water. Do not remove material bonded to the skin. Do not apply saves or ointment. Get medical attention.
Eye contact: Flush with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists. If product is molten, flush eyes with water, holding the eyelids apart. Get immediate medical attention.
Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by a medical professional. Never give anything by mouth to an unconscious or convulsing person. Get medical attention if symptoms develop.

Most important symptoms/effects, acute and delayed: May cause mechanical eye and skin irritation. Dust may cause irritation of the nose, throat and upper respiratory irritation. Ingestion may cause gastric upset and nausea. Polymer fumes may cause irritation of the eyes, nose and upper respiratory tract, with dizziness and unconsciousness. Contact with molten product will cause thermal burns.

Indication of immediate medical attention and special treatment, if necessary: If product is molten and skin or eye contact occurs, get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use carbon dioxide, dry chemical or fine water spray to extinguish fire. Do not spray water on burning material as it may splatter and spread fire.

Specific hazards arising from the chemical: Combustible dust. Dust generated during use may present a potential fire and explosion hazard if suspended in air at high concentrations. Settled dust presents a fire hazard. Re-suspension of the dust into the air by vibration, traffic, material handling, etc. in high concentrations in the presence of an ignition source could result in a dust explosion. Minimize the generation and accumulation of dust. Combustion may produce carbon and nitrogen oxides.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8. Avoid creating and breathing dust. Eliminate ignition sources.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Carefully sweep up and collect in a manner to minimize the generation of airborne dusts or vacuum with a high efficiency vacuum cleaner. If a vacuum is used, explosion proof equipment is required. Non-sparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.)

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Avoid creating and breathing dusts. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Minimize the generation and accumulation of dust. Keep dust away from open flames, hot surfaces and sources of ignition. Follow good housekeeping practices to keep surfaces, including areas overhead such as piping, drop ceilings, ductwork, etc. free from settled dust. Dry powders can build static electricity charges when subjected to friction of transfer and in mixing operations. Provide adequat precautions, such as electrical grounding and bonding, or inert atmospheres.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Keep containers closed when not in use. Avoid excessive heat. Store away from oxidizing agent and other incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Polypropylene Homopolymer (as PNOC)	5 mg/m3 TWA OSHA PEL (respirable fraction) 10 mg/m3 TWA OSHA ACGIH TLV (total dust)

Appropriate engineering controls: Use with adequate general or local ventilation to minimize airborne exposures. Provide local exhaust ventilation where product is used in a manner that generates dust. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. 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 (i.e. there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal Protective Equipment:
Respiratory protection: If dust is generated, wear a NIOSH approved particulate respirator. When using the product in the molten state, wear an approved respirator with organic vapor cartridges. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use in accordance with all applicable regulations (in the US follow OSHA 1910.134) and good Industrial Hygiene practice.
Skin protection: Heat resistant gloves would be used to protect against burns.
Eye protection: Chemical safety goggles recommended.
Other: Impervious clothing as needed to prevent contact. An eye wash and safety shower should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): White Powder
Odor: Wax odor

Odor threshold: Not applicable	**pH:** Not applicable
Melting Point/Freezing Point: 330°F (166°C)	**Boiling Point:** Not applicable
Flash point: 530°F (227°C) COC	**Evaporation rate:** Not applicable
Flammability (solid, gas): Combustible Solid	
Flammable limits: LEL: Not applicable	**UEL:** Not applicable
Vapor pressure: Not applicable	**Vapor density:** Not applicable
Relative density: 0.9 g/cc	**Solubility(is):** Nil
Partition coefficient: n-Octanol/water: Not applicable	**Auto-ignition temperature:** Not available
Decomposition temperature: Not available	**Viscosity:** Not applicable

10. STABILITY AND REACTIVITY

Reactivity: None known.
Chemical stability: Stable.

Possibility of hazardous reactions: None known.
Conditions to avoid: Keep away ignition sources.
Incompatible materials: Avoid contact with oxidizing agents and amines.
Hazardous decomposition products: Thermal decomposition may produce carbon and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of dust may cause irritation to the nose, throat and d upper respiratory tract. Inhalation of fumes may cause irritation to the eyes, nose, throat and upper respiratory tract.
Ingestion: Swallowing may cause gastrointestinal irritation and nausea.
Skin contact: May cause mechanical skin irritation. Prolonged contact may cause drying of the skin. Contact with molten material may cause thermal burns.
Eye contact: May cause mechanical irritation with redness and tearing. Contact with molten material may cause thermal burns.

Chronic effects from short- and long-term exposure: None known.

Reproductive Toxicity: This product is not expected to cause adverse reproductive or developmental effects.

Sensitization: This product is not expected to cause sensitization based on human experience.

Mutagenicity: This product is not expected to cause mutagenic activity.

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:
Polypropylene Homopolymer: No toxicity data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Polypropylene Homopolymer: No data available.

Persistence and degradability: Polypropylene homopolymer is not soluble and is not expected to biodegrade
Bioaccumulative potential: Polypropylene homopolymer is not expected to bioaccumulate. .
Mobility in soil: No data available.
Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None

IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not Hazardous

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65
This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:
Canadian CEPA: All of the ingredients in this product are listed on the Canadian DSL.
Canadian WHMIS Classification: Not a controlled product.
This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

16. OTHER INFORMATION

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe Handling

NFPA Rating: Health = 1 Flammability = 1 Instability = 0
HMIS Rating: Health = 1 Flammability = 1 Physical Hazard = 0

SDS Revision History: Converted to GHS format. All sections revised.
Date of preparation: November 6, 2014
Date of last revision: New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.