

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: Duratray Powder

Company Identification:

Reliance Dental Mfg., LLC.

5805 W. 117th Place

Alsip, IL 60803

For Product Information, call: 708-597-6694 **For Medical Information, call:** 800-535-5053

Section 2 - Hazards Identification

Classification of the substance or mixture

Hazard Class - *Physical, Health, Environmental*

Category

Eye Damage/Irritation

2B

Reproductive Toxicity

2

Aquatic Toxicity

A3

OSHA Defined Hazards: Combustible dust, may form combustible dust concentrations in air, explosion hazard

Label Elements - Pictograms, Signal Word, Hazard Statements, Precautionary Statements, & Supplemental Information



Signal Warning

Warning

Hazards Statements

H320 Causes eye irritation

Precautionary Statements-Prevention, Response & Disposal

P264 Wash hands and exposed skin thoroughly after handling.
P305+P351 IF IN EYES: Rinse continuously with water for several
+P338 minutes. Remove contact lenses if present and easy to do –
continue rinsing
P337+P313 Get medical advice/attention

Section 3 - Composition, Information on Ingredients

Item	Chemical Name	CAS #	WT/WT%	GHS Ratings
01	Polymethyl Methacrylate	9011-14-7	<65	Eye Damage/Irritation 2B (H320)
02	Inorganic Filler	1317-65-3	>35	

Section 4 - First Aid Measures

General Advice: Provide the SDS to medical personnel for treatment.

- Inhalation:** Remove victim to fresh air. Seek immediate medical attention.
- Eye Contact:** If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.
- Skin Contact:** Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.
- Clothing:** Remove contaminated clothing, wash thoroughly before reuse.
- Ingestion:** If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

Section 5 - Fire Fighting Measures

- Suitable Extinguishing Media:** Water, Chemical Dioxide (CO₂) dry chemical
- Unsuitable Extinguishing Media:** Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source.
- Specific Hazards Arising from the Chemical:** For bulk size: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.
- Special Fire Fighting Procedures:** Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.
- Protective Equipment and Precautions for Firefighters:** Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static discharge, follow grounding and bonding procedures. Polymers are not sensitive to mechanical impacts.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Clean up in accordance with all applicable regulations. Wash all effected areas with plenty of warm water and soap.

Section 7 - Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling: Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. The temperature should remain at or under 72°F (22°C) at all times.

Packaging materials: Keep in original container.

Incompatible Materials: Strong oxidizing agents.

Section 8 - Exposure Controls, Personal Protection

Exposure Guidelines:

Chemical name / CAS No.	OSHA PEL	ACGIH TLV	NIOSH IDLH
Inorganic filler 94-36-01317-65-3	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction		TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. When working with large quantities of product, provide adequate ventilation (e.g. local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

Personnel Protective Equipment (PPE)

Eye/Face Protection: Wear safety glasses, chemical goggles when splashing is possible, when dealing with this material. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and Body Protection: If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standard.

Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA 29 CFR §1910.134 or other appropriate governing standard.
VENTILATION: Local exhaust at processing equipment.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

Section 9 - Physical and Chemical Properties

Appearance: Blue pigmented

Odor: Faint odor in bulk

Physical State: Fine Powder

Odor Threshold: Not determined

Property	Values	Remarks/Method
pH	Not determined	
Melting point/freezing point	Not determined	
Boiling point/boiling range	Not applicable	
Flash Point	300°C / 572°F	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Non-flammable	
Flammability limits in air:		
Upper Flammability Limit	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not applicable	
Vapor Density	Not applicable	
Specific Gravity	Not determined	
Water Solubility	Insoluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

Section 10 - Stability and Reactivity

Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions: Hazardous Polymerization:	None under normal processing. Does not occur.
Conditions to Avoid:	Heating above 240°C/464°F
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Methyl Methacrylate, Ethyl Acrylate

Section 11 - Toxicological Information

INFORMATION OF LIKELY ROUTES OF EXPOSURES

Product Information:	This product has not been tested on animals to obtain toxicology data.
Inhalation:	Unlikely to be hazardous by inhalation. Inhalation of dust in high concentration may cause irritation of the respiratory system. High concentrations of vapor from hot operations may be harmful, cause irritation of the respiratory system and slight narcotic effects.
Eye Contact:	May irritate eyes.
Skin Contact:	Not expected to be a skin irritant during prescribed use.
Ingestion:	Low oral toxicity

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS

Symptoms: No Information Available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Carcinogenicity:	Unknown
Numerical Measures of Toxicity – Product:	Not determined

Section 12 - Ecological Information

Ecotoxicity	This product is not classified as environmentally hazardous, however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is predicted to have low toxicity to aquatic organisms.
Persistence & Degradability:	Not readily biodegradable.
Bioaccumulation:	Low Potential.
Mobility:	Not considered mobile.
Other Adverse Effects:	Not determined.

Section 13 - Disposal Considerations

Waste Treatment Methods

Disposal of Wastes: Dispose waste material in accordance with Federal, State, and Local regulations.

Contaminated Packaging: For bulk only: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

Section 14 - Transport Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

Section 15 - Regulatory Information

International Inventories

TSCA For use in FDA regulated products only. United States Toxic Substances Control Act, Section 8(b) Inventory

US State Regulations

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Inorganic Filler 1317-65-3	x	x	x

Section 16 - Additional Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, process, storage, transportation, disposal and release and is not considered a warranty or quality specification. This information relates only to the specific material designated and may not be valid for such materials used in combination with any other materials on in any process, unless specified in the text.

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