

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: DuraTray Powder

Company Identification:

Reliance Dental Mfg., Co.

5805 W. 117th Place

P.O. Box 38

Worth, IL 60482

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

Section 2 - Composition, Information on Ingredients

Item	Chemical Name	CAS #	WT/WT%
01	Poly (Methyl Methacrylate / Ethyl Acrylate	9010-88-2	< 65
02	Omprgamoc Filler	1317-65-3	> 35

Section 3 - Hazards Identification

PRIMARY ROUTES OF ENTRY: Eyes or skin (no absorption); inhalation of dusts. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

POTENTIAL HEALTH EFFECTS:

EYE:	Dust may cause irritation.
SKIN:	Unlikely to cause skin irritation.
INGESTION:	Low oral toxicity.
INHALATION:	Unlikely to be hazardous but dust or vapors may cause irritation.

CHRONIC INFORMATION: Resin contains traces of ethyl acrylate, which is classified as an animal carcinogen.

TERATOLOGY INFORMATION: No information but adverse effects unlikely.

REPRODUCTIVE INFORMATION: No information but adverse effects unlikely.

Section 4 - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES:

EYES:	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
INGESTION:	Do not induce vomiting. Rinse mouth out with water. Obtain medical attention if ill effects occur.
INHALATION:	Remove to fresh air. Get medical help if discomfort persists.
SKIN:	Wash with soap and water. Get medical help if discomfort persists.

Section 5 - Fire Fighting Measures

FLASH POINT: 300 °C, 572 °F

FLAMMABLE LIMIT, AIR VOL% LOWER: NA

UPPER: NA

AUTOIGNITION TEMPERATURE: NE

EXTINGUISHER METHOD: Water, foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid extinguishing methods, which may generate dust clouds. Water

UNUSUAL, FIRE & EXPLOSION HAZARD:

stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source.
Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Firefighters should wear self-contained breathing apparatus.

Section 6 - Accidental Release Measures**ACCIDENTAL RELEASE:**

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

Section 7 - Handling and Storage**PRECAUTIONS FOR HANDLING:**

Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping.

PRECAUTIONS FOR STORAGE:

Store containers in a cool, dry place away from incompatible materials. Keep container closed to prevent water absorption and contamination.

STORAGE TEMPERATURE:

Preferably not exceeding 35°C

INDUSTRIAL HYGIENE PRACTICES:

Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

Section 8 - Exposure Controls, Personal Protection**VENTILATION:**

Use good local exhaust at processing equipment.

RESPIRATORY PROTECTION:

Use type for Particulates Not Otherwise Classified, if needed.

EYE PROTECTION:

Safety glasses or chemical splash goggles.

INDUSTRIAL HYGIENE PRACTICES:

Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

Section 9 - Physical and Chemical Properties**APPEARANCE:**

Fine powder.

ODOR:

Faint odor in bulk.

BOILING POINT:

NE

SPECIFIC GRAVITY (H₂O=1):

1.18

VAPOR PRESSURE:

NE

PERCENT VOLATILE W/W%:

<1%

VAPOR DENSITY (AIR=1)

NE

EVAPORATION RATE:

NE

SOLUBILITY IN WATER:

NIL

Section 10 - Stability and Reactivity**HAZARDOUS DECOMPOSITION PRODUCTS:**

Methyl Methacrylate; ethyl acrylate.

HAZARDOUS REACTIONS:

None known.

HAZARDOUS POLYMERIZATION:

Will not occur.

Section 11 - Toxicological Information**PRIMARY ROUTES OF ENTRY:**

Eyes or skin (no absorption); inhalation of dusts.

EYE:

Dust may cause irritation.

SKIN:

Unlikely to cause skin irritation.

INGESTION:

Low oral toxicity.

INHALATION:

Unlikely to be hazard by inhalation. High concentrations of dust may be

irritant to the upper respiratory tract. High concentrations of vapor from hot operations may be harmful, cause irritation of the respiratory tract, and slight narcotic effects.

LONG TERM EXPOSURE: This material has been in use for many years with no evidence of adverse effects.

CARCINOGENICITY: None of these components of this materials are listed by IARC, NTP, OSHA or ACGH as carcinogens.

TARGET ORGANS: For Polymer: None Listed.

TOXICITY DATA: For Polymer: None Listed. RTECS - Not Listed. TSCA - Listed.

Section 12 - Ecological Information

Environmental Fate and Distribution: High tonnage material produced in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.

Persistence and degradation: The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.

Toxicity: The product is predicted to have now toxicity to aquatic organisms.

Effect on Effluent Treatment: The product is anticipated to be poorly removed in biological treatment processes.

Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD: Non-hazardous waste. May be disposed of in landfill or incinerated. Follow Federal, State, and Local regulations for disposal.

Section 14 - Transport Information

NON-HAZARDOUS SHIPPING NAME: SYNTHETIC GUM RESIN GRANULAR, NOIBN

Section 15 - Regulatory Information

RISK STATEMENTS: R36/37 - Irritating to eyes, respiratory system.
R43 - May cause sensitization by skin contact.

SAFETY STATEMENTS: S3 - Keep in a cool place.
S7/8 - Keep container tightly closed and dry.
S20/21 - When using do not eat, drink or smoke.
S22 - Do not breathe dust.
S24/25 - Avoid contact with skin and eyes.
S37/39 - Wear suitable gloves and eye/face protection.

CANADIAN REGULATIONS:

WHMIS: This product has been classified in accordance with the hazardous criteria of the CPR and the SDS contains all the information required by the CPR. All of the components of the material are listed on the Canadian DSL.

TSCCA: For use in FDA regulated products only.

Section 16 - Additional Information

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0

ABBREVIATIONS:

NA:	Not Applicable	ND:	Not Determined	NE:	Not Established
ppm:	parts per million	G:	Gallon	mg:	Milligram
L:	Liter	gm:	Gram	mol:	Mole
kg:	Kilogram	μ:	Micro	mm:	Millimeter p Pico
Pa:	Pascals	LC:	Lethal Concentration	LD:	Lethal Dose
TC:	Toxic Concentration	TD:	Toxic Dose	BOD:	Biological Oxygen Demand
COD:	Chemical Oxygen Demand			Lo:	Lowest
ThOD:	Theoretical Oxygen Demand			Tlm:	Threshold Limit
H:	Hours	M:	Months	D:	Days
Y:	Years	W:	Weeks		

ACGIH:	American Conference of Governmental Industrial Hygienist
CPR:	Controlled Product's Regulation
DSL:	Canadian Domestic Substances List
NDSL:	Canadian Non-domestic Substance List
IARC:	International Agency for Research for Cancer
NOEL:	No Observed Effect Level
NOAEL:	No Observed Adverse Effect Level
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
TLV:	Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), THE COMMONWEALTH OF PENNSYLVANIA REGULATIONS (TITLE 34. CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.