PHOENIX

SAFETY DATA SHEET

Complies with OSHA Standard 29 CFR 910.1200

PUR TEXIN
285 Colorant

1. Product and Company Identification

Product Name: PUR TEXIN 285 Colorant
Material Number: RU54766032
Chemical Family: Colorant Preparation; Carrier: PUR
Use: Additive for plastic material processing
Manufacturer Name: Phoenix Orthodontics
Manufacturer Address: 3250 Palladian Village Drive
Marietta, GA 30066
Business Phone: 770-643-8896
Emergency Phone: 770-643-8896

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200
Combustible dust.

GHS Label Elements

Signal word: Warning

Hazard statements: May form combustible dust concentrations in air.

Precautionary statements: **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P233 Keep container tightly closed.

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3. Composition/Information on Ingredients

Chemical nature: Colorant prepration; Carrier: PUR

Hazardous components

Chemical Name	CAS-No.	Concentration (% w/w)
C.I. Pigment Blue 15:4	147-14-8	2.5 - 3
N, N'-Ethylenedi(stearamide)	110-30-5	3 - 5
Calcium carbonate	471-34-1	10 - 20

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and by the Canadian WHMIS 2015 Hazardous Products Regulations (SOR/2015-17). **The hazardous ingredients of this product are encapsulated, therefore the materials is not GHS classified for health and environmental hazards as exposure is not expected. Any concentration shown as a range is due to batch variation.**

4. First Aid Measures

Inhalation

Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. In case of burns, apply cold water until pain subsides, then seek medical advice. Burns must be treated by a physician. If molten polymer contacts the skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burn. Skin absorption of reground pellets is unlikely.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Ingestion
Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/ attention.

Most important symptoms and effects, both acute and delayed
The possible symptoms known are those derived from the labelling (see section 2).

Notes to Physician
Treat symptomatically.

5. Firefighting Measures

Suitable Extinguishing Media: Water spray
Foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable Extinguishing Media: High volume water jet

Specific Hazards During Firefighting
In case of fire, hazardous decomposition products may be produced such as: Nitrogen oxides (NOx), Ammonia, Urea, Carbon monoxide, Carbon dioxide (CO2), Metal oxides, Sulphur oxides, Hydrogen sulfide (H2S), Carbon monoxide and carbon dioxide, and Hydrogen cyanide (hydrocyanic acid).

Combustible Material
In the event of fire and/or explosion, do not breathe fumes. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. Do not allow run-off from fire fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special Protective Equipment for Firefighters
Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures
Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

Environmental Precautions
Do not allow contact with soil, surface, or ground water. Prevent product from entering drains.

Methods and Materials for Containment and Cleaning Up
Avoid dust formation. Take measures to prevent the build up of electrostatic charge. Sweep up and shovel into suitable containers for disposal. Take up contaminated material and pass on for further processing. After cleaning, flush away traces with water.

7. Handling and Storage

Advice on Protection Against Fire and Explosion
Take measures to prevent the build up of electrostatic charge.

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation/personal protection. For personal protection, see section 8. Avoid contact with skin, eyes, and clothing. Use only with adequate ventilation. When handling hot melts, use suitable protective clothing. Avoid dust formation. Keep away from sources of ignition. Lead off electrostatic charges.

Conditions for Safe Storage
Keep container tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from direct sunlight.

Technical Measures/Precautions
Store in a cool, dry, well-ventilated area. Keep container sealed when not in use. Keep in an area equipped with sprinklers. Minimize dust generation and accumulation.

Materials to Avoid
Not required.

8. Exposure Controls/Personal Protection

Components with workplace control parameters.

Components	CAS-No.	Value Type (Form of Exposure)	Control Parameters/ Permissible Concentration	Basis
N,N'-Ethylededi(stearamide)	110-30-5	TWA	10 mg/m3	ACGIH
C.I. Pigment Blue 15:4	147-14-8	TWA	1 mg/m3 (Copper)	NIOSH REL

Engineering Measures
Use only in area provided with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

Personal Protective Equipment
Respiratory Protection:
Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fumes may be generated. Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

Hand Protection Remarks:
Nitrile rubber gloves. Impervious butyl rubber gloves. PVC Neoprene gloves. When handling hot material, use heat resistant gloves.

Eye Protection
Safety glasses with side-shields.

Skin and Body Protection
Wear protective clothing, including long sleeves and gloves, to prevent skin contact. When handling hot melts, use suitable protective clothing.

Hygiene Measures
The usual Industrial Hygiene precautions must be taken during work, in particular: do not drink, eat, or smoke during the handling of the product and clean hands and face during work intervals and after work.

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9. Physical and Chemical Properties

Appearance:	Granules
Color:	Blue
Odor:	Characteristic
Odor Threshold:	Not Applicable
pH:	Not Applicable
Melting Point:	Not Applicable
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas):	Not Determined
Self-ignition	Not Applicable
Lower Explosion Limit:	Not Tested
Upper Explosion Limit:	Not Tested
Vapor Pressure:	Not Applicable
Relative Vapor Density:	Not Applicable
Relative Density:	Not Available
Density:	Not Tested
Solubility(ies)	
Water Solubility:	Insoluble
Partition Coefficient: n-octanol/water:	This property is not applicable for mixtures.
Decomposition Temperature:	To the best of our current knowledge, no thermal decomposition of the product is expected if it is processed according to good manufacturing practices. See section 10.4 "Conditions to Avoid."
Dynamic Viscosity:	Not Applicable
Kinematic Viscosity:	Not Applicable
Explosive Properties:	No Data Available
Oxidizing Properties:	Not Available
Surface Tension:	Not Relevant
Particle Size:	Product specific.

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: To avoid thermal decomposition, do not overheat. Heating can release hazardous gases. Keep away from heat, sparks, open flames, and other sources of ignition
If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. 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 concentration.

Incompatible Materials: Strong acids and oxidizing agents. Strong acids and strong bases.
Strong oxidizing agents.

Hazardous Decomposition Products Possible in traces:
Nitrogen oxides (NOx)

11. Toxicological Information

Likely Routes of Exposure: None known.

Skin Corrosion/Irritation

Product:
Result: No skin irritation

Serious Eye Damage/Eye Irritation

Product:
Result: No eye irritation

Respiratory or Skin Sensitization

Product:
Result: Non-sensitizing

Carcinogenicity

IARC	Listed
OSHA	Listed
NTP	Listed

Experience with Human Exposure

Product:
General Information: The possible symptoms known are those derived from the labelling (see section 2).

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12. Ecological Information

Ecotoxicity

Product:
Toxicity to fish — Remarks: No Data Available

Persistence and Degradability No Data Available

Bioaccuulative Potential

Product:
Bioaccumulation — Remarks: Not Tested

Mobility in Soil

Product:
Distribution among environmental compartments — Remarks: Not Tested

Other Adverse Effects

Product:
Results of PBT and vPvb Assessment — Remarks: No information is available as no chemical safety report (CSR) is required.

Additional ecological information — Do not allow to enter ground water, waterways, or waste water.

13. Disposal Considerations

Disposal Methods

Waste from Residues:	Dispose of this product in accordance with all applicable local, state, and federal regulations.
Contaminated Packaging:	Regulations concerning reuse or disposal of used packaging materials must be observed.

14. Transportation Information

Land Transport (DOT): Not Restricted
Sea Transport (IMDG): Not Restricted
Air Transport (ICAO/IATA): Not Restricted

15. Regulatory Information

EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act
This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307, Copper

The components of this product are reported in the following inventories:
TSCA: On TCSA Inventory

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