

MSDS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chrysalis HD™ translucent panels

Product Identification: Chrysalis PETG

Manufacturer/Supplier: Duraglas®, Inc.

MSDS Prepared by: Duraglas® Engineering

Chemical Name: PETG Sheet

Synonym(s): not applicable

Molecular Formula: (polyesterphthalate para-dihydroxycyclohexane_x)

Molecular Weight: not applicable

Product Use: Translucent Architectural Panels

OSHA Status: non-hazardous

For emergency health, safety & environmental information, call 714-800-1648.

For emergency transportation information, call 714-800-1648.

2. COMPOSITION INFORMATION ON INGREDIENTS

Typical composition is given, and may vary. A certificate of analysis can be provided.

Weight % Component . >99% Plastic <1% colorants

One or more of the following co-components may be present in trace amounts: Polyester, Rayon, Aluminum, Cotton, Linen, printing inks or, Paper.

3. HAZARDS IDENTIFICATION

Skin Contact: NO hazard at STP (standard temperature and pressure). The saw dust may be an irritant to sensitive persons.

Eye Contact: NO hazard at STP (standard temperature and pressure) The saw dust may irritate the eyes through mechanical action. Wear protective eyewear when fabricating.

Inhalation: No hazard at STP (standard temperature and pressure) The saw dust may irritate the lungs through mechanical action. Wear protective particulate mask when fabricating.

Chronic (Cancer): No evidence of adverse effects.

Teratology (Birth Defects): No evidence of adverse effects.

Reproductive Information: No evidence of adverse effects.

HMIS® Hazard Ratings: Health - 0, Flammability -0, Chemical Reactivity - 0

In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries." HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation: Saw dust inhalation may cause coughing. See a physician if symptoms persist.

Eyes: Flush with water if saw dust enters the eye. See a physician if symptoms persist.

Skin: Saw dust may irritate skin through mechanical insult. Wash away the dust. Apply an antiseptic if the skin is compromised. See a physician if symptoms persist.

Ingestion: Product cannot be chewed, and saw dust is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

Note to Physicians: In the remote case of burning or molten material contact with the skin, burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

5. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid (translucent architectural panel)

Appearance: Clear to opaque

Odor: imperceptible

Softening Point: >210 F

Solubility in Water: Insoluble

Flash Point: Not applicable, combustible solid

Auto-ignition Temperature: Self ignition temperature greater than 800 degrees F.

6. STABILITY AND REACTIVITY

Stability: Stable under (STP) normal and anticipated storage and handling conditions

Incompatibility: Acids, alkalis, strong oxidizing agents and solvents.

Hazardous Polymerization: Will not occur.

Thermal Decomposition: Thermal decomposition or combustion may emit vapors, smoke, carbon monoxide or carbon dioxide depending on the available oxygen..

7. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray dry chemical foam or carbon dioxide

Fire-Fighting Procedures: Wear self-contained air purifying respirator (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Safe dust removal equipment should be used.

8. WASTE DISPOSAL/ACCIDENTAL RELEASE MEASURES

Disposal: Product can be disposed by incineration or landfill at a facility that complies with local, state and federal regulations. Product should be recycled.

Accidental Release: In case of saw dust spill, sweep, and scoop or pick up and remove to a suitable container. No materials should be released near a storm drain.

9. HANDLING AND STORAGE

Maximum Storage Temperature: 179 F (Long exposure to this high temperature will warp the product.)

Storage Measures: Store at STP(standard temperature and pressure) when possible. Keep from contact with oxidizing materials. Minimize dust generation and accumulation.

Handling Measures: Cutting Chrysalis™ generates "inert" or "nuisance" dust. Blower collection systems or exhaust ventilation systems should be installed to prevent airborne contaminant dispersion due to cutting, sawing or thermal forming operations.

10. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

Ventilation: Good general ventilation (ASHRAE standards) should be used. Systems common to woodworking and fabricating are sufficient.

Respiratory Protection: None required under normal circumstances. However, if engineering controls do not maintain airborne concentrations to an acceptable level, a dust mask should be worn.

Eye Protection: Wear safety glasses with side shields when sawing, cutting or routing the material.

Skin Protection: Wear cotton or canvas gloves to protect against thermal burns, cuts and abrasions to hands.

Recommended Decontamination Facilities: An eye bath and hand washing stations should be available.

11. TOXICOLOGICAL INFORMATION

The product is not toxic.

Ingestion: This material is classified as practically non-toxic by ingestion.

Eye Contact: Other than mechanical abrasion, no irritation is likely to develop following contact with the human eye.

Skin Contact: No irritation is likely to develop following contact with the skin unless rubbing occurs and abrasion results..

Skin Absorption: This product will not be absorbed through the skin.

Inhalation: No toxic effects are known to be associated with inhalation of dust from this material

Other Overexposure Effects: No other adverse clinical effects have been associated with exposures to this material.

12. REGULATORY INFORMATION

Comprehensive Environmental Response, Compensation, and Liability Act: Under section of 102 (a) of the act, this product is NOT designated as hazardous. No reportable quantities and no notification requirements to the National Response Center in Washington DC are set forth for its release from a vessel, an offshore or onshore facility (40 CFR Part 302)

Research Conservation and Recovery Act (RCRA): This material is identified as solid but NOT hazardous waste by RCRA legislation (40 CFR Part 261) The product should and can be recycled.

Toxic Substances Control Act (TSCA): Manufactures, importers, and processors of this product are not subject to reporting health and safety studies under the act (40 CFR Part 716)

Superfund Amendment and Reauthorization Act of 1986 (SARA): This product has no requirements under SARA.

13. TRANSPORT INFORMATION

Marine Pollutant Components: None unless listed below

DOT (USA): C lass not regulated

ICAO Status: C lass not regulated

IMDG Status: C lass not regulated

14. OTHER INFORMATION

Duraglas®, Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. Users should perform their own tests to determine the suitability of these products for their own particular purposes. **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION CONTAINED HEREIN.** The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any other process. Further, the conditions and methods of use are beyond the control of *Duraglas®*, Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.