MATERIAL SAFETY DATA SHEET

Date last revised 04/07/2005 By M. Lykins **MSDS-27a**

I. General Information

Chemical Name & Synonyms **Polypropylene**	**Trade Name & Synonyms** **V-0 Polypropylene (FR Polypropylene), Proteus 18G**
Chemical Family **Polypropylene mixture**	**Formula** **[Ch (ch3) ch2-]**
Proper DOT Shipping Name **N/A**	**DOT Hazard Classification** **N/A**
Manufacturer **Poly Hi Solidur Inc.**	**Manufacturer's Phone Number** **(260) 479-4274**
Manufacturer's Address **2710 American Way, Fort Wayne, IN 46809**	**Chemtrec Phone Number** **1-800-424-9300**

II. Ingredients

Principal Components	Percent	Threshold Limit Value (Units)
Polypropylene (25085-53-4)	>85%	10mg/m3 (total dust)
Antimony trioxide (1309-64-4)	1-5%	0.5 mg/m3
Halogenated Organic Flame Retardant	5-15%	10mg/m3 (total dust)

III. Physical Data

Boiling Point (Deg. F.) **N/A**	**>1**
Vapor Pressure (mm Hg) **N/A**	**Percent Volatile By Volume (%)**
Vapor Density (Air=1) **N/A**	**Evaporation Rate (Air =1)** **N/A**
Solubility in Water **Negligible**	**pH** **N/A**
Appearance & Odor **Opaque, or white, solid, no odor**	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) Auto Ignition Temperature
N/A

Flammable Limits	LEL	UEL
N/A	N/A	N/A

Extinguishing Media
Water, Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures
Slow burning plastic that emits a dense black smoke. Firefighters should wear a self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards Dust is flammable when finely divided (less than 200 mesh) and suspended in air. Combustion products may be hazardous.

V. Health Hazard Data

OSHA Permissible Exposure Limit
15 mg/m3 total dust, 5 mg/m3 respirable dust.

ACGIH Threshold Limit Value
10 mg/m3 total dust

Carcinogen - NTP Program: No

Carcinogen - IARC Program: No

Symptoms of Exposure

Polypropylene heated to 700 deg. F can irritate the respiratory tract.

Medical Conditions Aggravated By Exposure

None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, and throat irritation may result.

Primary Route(s) of Entry: Inhalation of particulates.

Emergency First Aid

Molten material. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention.

VI. Reactivity Data

STABILITY ____ **Unstable**
__X__ **Stable**

INCOMPATABILITY

Hazardous __ **May Occur**
Polymerization __X__ **Will Not Occur**

Conditions To Avoid
None Known

Materials To Avoid
Strong oxidizing agents.

Conditions To Avoid
None Known

Hazardous Decomposition Products

Carbon Monoxide, Carbon Dioxide, organic oxidation products, hydrogen bromide, acrid smoke, and fumes.

VII. Environmental Protection Procedures

Spill Response

Sweep up for Disposal or reuse.

Waste Disposal Method

Incineration or landfill - dispose of in accordance with Federal, State and Local regulations. Antimony Trioxide is listed in SARA Title III Section 313. Halogenated bisphenol derivatives are listed in SARA Title III Section 313 as chronic hazards.

VII. Special Protection Information

Eye Protection
Glasses with side shields.

Skin Protection

Respiratory Protection (Specific Type) - NIOSH approved dust respirator recommended. If material is being burned wear an organic respirator.

Ventilation Recommended - Local ventilation in dusty conditions, or if thermal decomposition occurs.

Other Protection
Gloves and protective garments when handling molten material.

IX. Special Precautions

Hygienic Practices In Handling & Storage
Wash with soap and water.

Precautions For Repair & Maintenance Of Contaminated Equipment
Eliminate ignition sources.

Other Precautions
Avoid excess breathing of vapors, fumes, or smoke that may be released during thermal processing. Store in a sprinkler protected warehouse.

NFPA Code: Fire 1, Health 1, Reactivity 0

HMIS Code: Fire 1, Health 0, Reactivity 0

N.A.= Not Applicable N.E.= Not Established