

**MSDS
MATERIAL SAFETY DATA SHEET
FOR VIRGIN NATURAL AND REPRO BLACK PRODUCTS**

I. PRODUCT IDENTIFICATION

PRODUCT NAME: Ultra-High Molecular Weight Polyethylene

MANUFACTURER: Poly Hi Solidur Inc.

PHONE NUMBERS:

PRODUCT INFORMATION: (260) 479-4274

CHEMTREC: 1-800-424-9300

II. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Polyethylene	9002-88-4	> 99%

III. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Waxy Solid with waxy odor. White, Black or green color.

ODOR: odorless

PERCENT VOLATILES: N/A

MELTING POINT: N/A

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY: 0.93 - 0.94

IV. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None Known

MATERIALS TO AVOID: Strong oxidizing agents

V. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Local ventilation in dusty conditions, or if thermal decomposition occurs

PROTECTIVE EQUIPMENT

SKIN: Gloves and protective garments when handling molten material.

V. EXPOSURE CONTROLS/PERSONAL PROTECTION - continued

EYE: Glasses with side shields

RESPIRATOR: NIOSH approved dust respirator recommended. If material is being burned wear an organic respirator

EXPOSURE GUIDELINES:

Grinding and machining of parts should be reviewed to assure that particulate levels are kept below recommended standards

INGREDIENT	VALUE
Polyethylene	10 mg/m ³ (total dust)

VI. HEALTH HAZARDS IDENTIFICATION

ACUTE OR IMMEDIATE EFFECTS

SKIN: Molten material may cause thermal burns.

EYES: Contact with powder or dust may cause mechanical irritation

INHALATION: Not considered an inhalation hazard

INGESTION: Not a probable route of exposure

LONG TERM DELAYED EFFECTS: None known

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.

CHRONIC/CARCINOGENICITY:

Not a known Carcinogen under IARC

VII. FIRST AID MEASURES

SKIN: 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.

EYES: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

INHALATION: Consult a physician if upper respiratory or throat irritation persists

VIII. TOXICOLOGICAL INFORMATION

CHRONIC TOXICITY: Harmless

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

No information available

IX. FIRE FIGHTING MEASURES

AUTOIGNITION TEMPERATURE: >350 °C (662 °F)

EXTINGUISHING MEDIA: Water, Foam, Carbon Dioxide and Dry Chemical

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Carbon Dioxide, selected Alkanes and Aldehydes including Acrolein and Formaldehyde

SPECIAL FIRE FIGHTING INSTRUCTIONS/PRECAUTIONS:

Fire fighters and should wear full protective clothing including self-contained, breathing apparatus. Dust is flammable when finely divided (less than 200 mesh) and suspended in air.

X. ACCIDENTAL RELEASE MEASURES

SPILL OR RELEASE: Sweep up for Disposal or reuse

XI. HANDLING AND STORAGE

STORAGE: Store in a sprinkler protected warehouse

XII. DISPOSAL CONSIDERATIONS

DISPOSAL: Incineration or landfill – dispose of in accordance with Federal, State, Provincial and Local regulations.

XIII. DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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