The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

"CRASTIN" THERMOPLASTIC POLYESTER RESINS ALL IN CRA005
CRA005 Revised 2-NOV-2005

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"CRASTIN" is a registered trademark of DuPont.

CAS Name : "CRASTIN" 7131 NC010,

Tradenames and Synonyms

"CRASTIN" 6003 NC010
"CRASTIN" 6125 NC010,
"CRASTIN" 6125 WT592
"CRASTIN" 6129 NC010,
"CRASTIN" 6129 NC010A,
"CRASTIN" 6129C NC010
"CRASTIN" 6129MF NC010,
"CRASTIN" 6129U NC010,
"CRASTIN" 6130 NC010,
"CRASTIN" 6130 NC010A,
"CRASTIN" 6130 NC010B,
"CRASTIN" 6130-186,
"CRASTIN" 6130C NC010,
"CRASTIN" 6131 NC010,
"CRASTIN" 6131B NC010,
"CRASTIN" 6131C NC010,
"CRASTIN" 6131C-183 NC010,
"CRASTIN" 6134 NC010,
"CRASTIN" 6134C NC010,
"CRASTIN" 6136 NC010,
"CRASTIN" 6137 NC010,
"CRASTIN" 6330 NC010,
"CRASTIN" 6330C NC010,
"CRASTIN" 7003 NC010,
"CRASTIN" 7129 NC010,
"CRASTIN" 7130 NC010,
"CRASTIN" 7139 NC010,
"CRASTIN" CE2051 NC010,
"CRASTIN" CE2054 NC010,
"CRASTIN" CE2055 NC010,
"CRASTIN" CE6125L NC010,
"CRASTIN" S600 NC010,
"CRASTIN" S600F10 NC010,
"CRASTIN" S600F20 NC010,
"CRASTIN" S600F20 RDB575,

(CHEMICAL PRODUCT/COMPANY IDENTIFICATION - Continued)

"CRASTIN" S600F30 NC010,
"CRASTIN" S600F40 NC010,
"CRASTIN" S610 GY735,
"CRASTIN" S610 NC010,
"CRASTIN" S610 RDB575,
"CRASTIN" S610 WT592,
"CRASTIN" S620 NC010,
"CRASTIN" S620F20 NC010,
"CRASTIN" XMB6500 NCB010,

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont Engineering Polymers
1007 Market Street
Wilmington,DE 19898

PHONE NUMBERS
Product Information : 1-(800)-441-7515
Transport Emergency : 1-(800)-424-9300
Medical Emergency : 1-(800)-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
POLYBUTYLENE TEREPHTHALATE	30965-26-5	>97
ANTIOXIDANTS, COLORANTS, LUBRICANTS		<2

Components (Remarks)

Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled in sufficiently high concentrations. Good industrial hygiene practices, as with all dusts, should include precautions to prevent inhalation of respirable particles.

HAZARDS IDENTIFICATION

Potential Health Effects

ADDITIONAL HEALTH EFFECTS

Read "CRASTIN" Molding Guide before using this product.

POLYBUTYLENE TEREPHTHALATE

Eye contact with Polybutylene Terephthalate particles may cause mechanical irritation with discomfort, tearing, or blurring of vision.

Decomposition products caused by overheating Polybutylene Terephthalate may cause skin, eye or respiratory tract irritation.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION
No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.

SKIN CONTACT
The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical treatment for thermal burn.

EYE CONTACT
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION
No specific intervention is indicated as compound is not likely to be hazardous by ingestion.

FIRE FIGHTING MEASURES

\# **Flammable Properties**

Flash Point : Not Applicable

Fire and Explosion Hazards:

Hazardous gases/vapors produced in fire are carbon monoxide.

Like most organic materials in powder form, dust generated from this product may form a flammable dust-air mixture. Potential for a dust explosion may exist. Minimize the generation and accumulation of dust. Keep away from sources of ignition.

Extinguishing Media

Water, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean Up

Spilled material is a slipping hazard.

Sweep up to avoid slipping hazard.

HANDLING AND STORAGE

Handling (Personnel)

See FIRST AID and PERSONAL PROTECTIVE EQUIPMENT SECTIONS.

\# **Handling (Physical Aspects)**

Minimize the generation and accumulation of dust.

Storage

Store in a cool, dry place. Keep containers tightly closed to prevent moisture absorption and contamination.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

VENTILATION When hot processing this material, use local and/or general exhaust ventilation to control the concentration of vapors and fumes below exposure limits.

In cutting or grinding operations with this material, use local exhaust to control the concentration of dust below exposure limits.

Personal Protective Equipment

Eye/Face Protection

Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye or face contact due to splashing or spraying of molten material. A full face mask positive-pressure air-supplied respirator provides protection from eye irritation.

Respirators

A NIOSH/MSHA approved air-purifying respirator with an organic vapor cartridge with a dust/mist filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

During grinding, sawing, routing, drilling or sanding operations use a NIOSH/MSHA approved air-purifying respirator with dust/mist cartridge or canister if airborne particulate concentrations are expected to exceed permissible exposure levels.

Protective Clothing

If there is potential contact with hot/molten material, wear heat resistant clothing and footwear.

Wear leather or cotton gloves when grinding, sawing, routing, drilling or sanding.

Exposure Guidelines

Exposure Limits
"CRASTIN" THERMOPLASTIC POLYESTER RESINS ALL IN CRA005
PEL (OSHA) : Particulates (Not Otherwise Regulated)
15 mg/m3, 8 Hr. TWA, total dust
5 mg/m3, 8 Hr. TWA, respirable dust

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Melting Point	: 220-228 C (428-442 F)
Solubility in Water	: Insoluble
Odor	: None
Form	: Pellets
Specific Gravity	: >1

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Temperatures above 570 F (299 C) . Abnormally long processing time or high temperatures can produce irritating and toxic fumes.

Incompatibility with Other Materials

Incompatible or can react with oxidizing agents.

Decomposition

Hazardous gases or vapors can be released, including carbon monoxide, aldehydes, tetrahydrofuran.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Polybutylene Terephthalate
Rats exposed to combustion products exhibited signs of carbon monoxide intoxication.

No animal data are available to define the carcinogenicity, developmental, reproductive or mutagenic hazards of Polybutylene Terephthalate.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:

No information is available. Toxicity is expected to be low based on insolubility in water. Do not discharge to streams, ponds, lakes or sewers.

DISPOSAL CONSIDERATIONS

Waste Disposal

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled, but incinerator must be capable of scrubbing out acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

TRANSPORTATION INFORMATION

Shipping Information

Not regulated in transportation by DOT/IMO/IATA.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : In compliance with TSCA Inventory requirements for commercial purposes.

State Regulations (U.S.)

STATE RIGHT-TO-KNOW LAWS

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet.

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES): None known.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.

(REGULATORY INFORMATION - Continued)

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1 % OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS): None known.

OTHER INFORMATION

Additional Information

MEDICAL USE: CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications see DuPont CAUTION Bulletin No. H-50102.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : REGULATORY AFFAIRS
DUPONT ENGINEERING POLYMERS
Address : CHESTNUT RUN PLAZA 713
WILMINGTON, DE 19880-0713
Telephone : 302-999-4257

# Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS