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

DUPONT TEIJIN CLEAR HOMOPOLYMER CHIP
00005534 Revised 25-AUG-2006

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

DTF POLYESTER CHIP

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont Teijin Films
Hopewell, VA
Cedar Creek, NC

PHONE NUMBERS
Product Information : 1-800-635-4639
Transport Emergency : CHEMTREC: 1-800-424-9300

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Polyethylene terephthalate chip	25038-59-9	100

HAZARDS IDENTIFICATION

Potential Health Effects

Human health effects of overexposure to polyethylene terephthalate by inhalation, ingestion, or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision. Significant skin permeation after contact appears unlikely. There are no reports of human sensitization.

Products evolved at decomposition temperatures may be irritating to skin, eyes or respiratory tract, or produce other systemic effects when present at levels above recommended exposure limits.

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.

However, if exposed to fumes from overheating or combustion, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician if necessary.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material 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. Consult a physician if necessary.

FIRE FIGHTING MEASURES

Flammable Properties

When polymer is handled during processing or during pouring from containers, a strong static charge may be generated. Avoid dust or solvent laden atmospheres as a discharge may result in a flash fire or explosion.

Hazardous gases/vapors produced in a fire can include carbon dioxide, carbon monoxide, organic acids, aldehydes, and alcohols.

Extinguishing Media

Water, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

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

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.

Remove source of heat, sparks, and flame.

Spill Clean Up

Recover undamaged and minimally contaminated material for reuse and reclamation. Shovel or sweep up. Avoid causing dust.

HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes. Wash thoroughly after handling. Normal precautions for handling hot, molten liquid or solutions. Do not breathe vapors or fumes that may be evolved during processing.

Handling (Physical Aspects)

Avoid dust generation. Can accumulate high static electric charge during handling. Static charges can cause explosions in solvent and dust laden atmospheres.

Storage

Store in a cool, dry place. Keep packages closed to prevent contamination.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use sufficient ventilation to keep employee exposure below recommended limits.

Personal Protective Equipment

Follow site specific work practice instructions for protective equipment.

EYE/FACE PROTECTION

Wear coverall chemical splash goggles when the possibility exists for eye or face contact from airborne material. Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of molten material.

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

RESPIRATOR

A NIOSH approved air purifying respirator with particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a NIOSH approved 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.

PROTECTIVE CLOTHING

Wear impervious clothing, such as gloves, apron, boots, or whole bodysuit as appropriate.

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

Gloves and protective clothing made out of anti-static material are recommended.

Exposure Guidelines

Applicable Exposure Limits
Polyethylene terephthalate chip

PEL	(OSHA)	: None Established
TLV	(ACGIH)	: None Established
AEL *	(DuPont)	: 10 mg/m3, 8 Hr. TWA, total dust 5 mg/m3, 8 Hr. TWA, respirable dust

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form	: Chips, Pellets, Flakes.
Odor	: None.
Solubility in Water	: Insoluble
Melting Point	: 235-300 C (455-572 F)
Specific Gravity	: 1.3-1.5

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

Incompatible or can react with strong oxidizers.

Decomposition

Decomposition produces carbon oxides, and incomplete products of combustion such as acetaldehyde, terephthalic acid, 1,4-dioxane, PET oligomer and traces of other organic materials.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

POLY(DIMETHYL TEREPHTHALATE/ETHYLENE GLYCOL)
Oral ALD: > 10,000 mg/kg in rats
The compound is not a skin irritant, is a mild eye irritant, and is untested for animal sensitization. Toxic effects described in animals from short exposures by inhalation, ingestion, or skin contact include: no adverse effects. Animal testing indicates that this compound does not have carcinogenic, mutagenic, embryotoxic, nor reproductive effects.

ECOLOGICAL INFORMATION

Ecotoxicological Information

No information available. The polymer is insoluble in water.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

(DISPOSAL CONSIDERATIONS - Continued)

Consult Site Hazardous Waste Coordinator for proper disposal procedures.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : All components are listed on the TSCA inventory.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes

OTHER INFORMATION

NFPA, NPCA-HMIS

NPCA-HMIS Rating
Health : 2
Flammability : 1
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

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 : MSDS Coordinator DuPont Films
Telephone : 302-773-0904

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