

MATERIAL SAFETY DATA SHEET

FORMOSA IDEMITSU PETROCHEMICAL CORPORATION

MSDS No. : FI0103-1

PHONE

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PREPARED DATE

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SECTION I -- IDENTIFICATION

PRODUCT NAME: TARFLON® Polycarbonate #2500, #2200, #1900, #1700, #1600
: A, IN, IR, R

CHEMICAL FAMILY: Polycarbonate

SECTION II -- INGREDIENTS

COMPOSITION	CAS No.	NOMINAL %
Poly-(4,4'isopropyliden diphenyl carbonate)	25971-63-5	> 99.5
Proprietary ingredients		~ 0.5

SECTION III -- HEALTH INFORMATION

INHALATION:

Unlikely to be hazardous by inhalation unless heated.

Fumes evolved by overheating during improperly processing may be injurious to health.

EYE CONTACT:

Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN CONTACT:

Molten material can cause severe burns.

INGESTION:

Minimal toxicity.

HEALTH HAZARD (Acute and chronic):

Neither acute nor chronic effects are likely.

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SECTION IV -- FIRST AID MEASURE

EYE CONTACT:

Remove contact lenses at once. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention.

SKIN CONTACT:

If contact with molten product occurs, treat as for thermal burn. Do not try to peel molten polymer from the skin. Get medical attention promptly.

INHALATION:

Not likely to be inhaled due to physical form. For processing fume inhalation irritation, leave contaminated area and breathe fresh air. If coughing, difficult breathing or any other symptoms developing, get medical attention.

INGESTION:

Not a likely route of exposure. If person is conscious, give large amounts of water to drink. Induce vomiting. Get medical attention.

SECTION V -- FIRE FIGHTING MEASURE

FIRE FIGHTING:

Water spray is the preferable extinguishing medium. Use water spray to cool fire exposed surfaces, protect personnel and extinguish the fire. Respiratory and eye protections are required for fire fighting personnel.

EXTINGUISHING MEDIA:

Water spray and foam.

Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition.

HAZARDOUS COMBUSTION PRODUCTS:

Combustion products may include intense heat and high levels of black smoke containing, carbon monoxide, carbon dioxide. Formation of traces of aliphatic and aromatic hydrocarbons, aldehyde, acids, phenol and phenol derivatives may occur.

FLASH POINT: Not applicable

LOWER FLAMMABLE LIMIT: Not applicable

UPPER FLAMMABLE LIMIT: Not applicable

AUTOIGNITION TEMPERATURE: 550°C

SECTION VI -- ACCIDENTAL RELEASE MEASURES

Sweep or gather up product and place in proper container for disposal or recovery. Don't exit to sewers and waterways, because fish may eat pellets and obstruct their digestive tracts.

SECTION VII -- HANDLING & STORAGE

HANDLING

Prevent contact with skin and eyes. Use good industrial hygiene practices.

Provide adequate ventilation. If product is powder and transported with air, make explosion relief provision.

STORAGE

Store in a dry place away from moisture, excessive and sources of ignition.

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SECTION VIII -- OCCUPATIONAL EXPOSURE LIMITS

OSHA regulation 29CFR1910. 1000:

5 mg/m³ (respirable dust), and 15 mg/m³ (total dust) based on OSHA PEL for nuisance dust.

ACGIH TLV:

A TWA of 10 mg/m³ (total dust) for nuisance dust.

SECTION IX -- EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:

A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fumes may contain small amounts of carbon dioxide, diphenyl-carbonate, phenol and substituted phenols.

Ventilation requirements must be locally determined to limit exposure to materials at their point of use.

PERSONAL PROTECTION:

SKIN: No precautions other than clean body-covering clothing should be needed.

EYE: Safety glasses should be sufficient for most operations, however, for dusty operations or when handling solutions of the material, wear chemical goggles.

SECTION X -- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
WATER SOLUBILITY:	Insoluble
ODOR AND APPEARANCE:	Pellet
pH:	Not applicable
BOILING POINT:	Not applicable
VAPOR DENSITY:	Not applicable
SOFTENING POINT:	220 ~ 230°C
SPECIFIC GRAVITY:	1.2 (water=1)
VOLATILES:	Negligible
VAPOR PRESSURE:	Negligible

SECTION XI -- STABILITY AND REACTIVITY

STABILITY::

Stable under recommended conditions of storage and handling.

REACTIVITY:

Not reactive under recommended conditions of handling, storage, processing and use.

CONDITIONS & MATERIALS TO AVOID:

Attacked by strong oxidizing agents.

SECTION XII -- TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:

Not available.

The components of this product are not hazardous under OSHA Hazard communication (29 CFR 1910, 1200).

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SECTION XIII -- DISPOSAL CONSIDERATIONS

Efforts to recycle material should be made.
If unable to use recycle, material should be buried in approved landfill or incinerated in accordance with all applicable federal, state and local regulations.

SECTION XIV -- TRANSPORT INFORMATION

DOT HAZARD CLASS:
Not regulated

IDENTIFICATION NUMBER:
Not determined

SECTION XV -- REGULATORY INFORMATION

This product complies with the Chemical Substance Inventory requirements of the U.S.A EPA Toxic Substances Control Act (TSCA).

SECTION XVI -- OTHERS

The information contained herein is based on the data available to us and is believed to be correct. However, FORMOSA IDEMITSU PETROCHEMICAL CORP. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.
FORMOSA IDEMITSU PETROCHEMICAL CORP. assumes no responsibility for injury from the use to the product described herein.

PREPARED BY
FORMOSA IDEMITSU PETROCHEMICAL CORPORATION