



台化出光石油化學股份有限公司

FORMOSA IDEMITSU PETROCHEMICAL CORPORATION

380 SEC. 6, NANJING E. RD., TAIPEI, TAIWAN

TEL: 886-2-27122211 EXT. 6618 FAX: 886-2-25473133

Safety data sheet

SECTION 1 – Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name TARFLON™ POLYCARBONATE
IV1900R, IV2200R, IV2500

Version:

SDS Number SDS-FIPC-GP-EN(EU)

Issue Date January 26, 2024

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Machinery, mechanical appliances, electrical/electronic articles

Uses advised against Not Applicable

1.3. Details of the supplier of the safety data sheet

Company Information

Supplier Name Formosa Idemitsu Petrochemical Corporation

Address Room 391, 7th Floor, 201, Tung-Hwa N. Road, Taipei, Taiwan

Tel +886-2-2712-2211 EXT.6616

Fax +886-2-2547-3133

1.4. Emergency telephone number

Emergency phone +886-2-2712-2211 EXT.6619

SECTION 2 – Hazards Identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 (CLP) Not Applicable

2.2. Label elements

Hazard pictograms None

Signal word None

Hazard statements None

Precautionary statements None

Supplemental Hazard

information (EU)

Safety data sheet available on request.

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

2.3. Other hazards Not available



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SECTION 3 – Composition/information on ingredients

3.1. Substances Not Applicable

3.2. Mixtures

Name	Identifiers	Content or range	Classification according to Regulation (EC) No 1272/2008 (CLP)
Carbonic dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol], 4-(1,1-dimethylethyl)phenyl ester (Poly-(4,4'isopropylidene diphenyl carbonate))	CAS No.: 25971-63-5 EC No.: Not available REACH Registration No.: Not available	> 99.0 wt%	Not available
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV329)	CAS No.: 3147-75-9 EC No.: 221-573-5	< 0.32 wt%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)
Other additives	CAS No.: non-disclosure EC No.: non-disclosure REACH Registration No.: Not available	< 1.0 wt%	Not available

SECTION 4 – First-aid Measures

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors or decomposition products. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical advice/attention.
Ingestion	Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians No information available.



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SECTION 5 – Fire-fighting Measures

5.1. Extinguishing media

Suitable Extinguishing media Water spray (fog). Dry chemical. Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do NOT use straight streams.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of toxic/corrosive gases and vapors In the event of fire and/or explosion do not breathe fumes

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6 – Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas. Beware of slippery surface. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so.

Dike far ahead of liquid spill for later disposal.

Take up mechanically, and place in appropriate containers for disposal.

Clean contaminated surface thoroughly.

Use personal protective equipment as required.

Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Avoid creating dust.

6.4. Reference to other sections

Not available



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SECTION 7 – Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas.

Advice on general hygiene: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Machinery, mechanical appliances, electrical/electronic articles

7.4. Other information

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

SECTION 8 – Exposure controls/personal protection

8.1. Control parameters

EU – Occupational Exposure Limit Not available

EU – Biological Exposure Indices Not available

8.2. Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin protection Suitable protective clothing.

Hand protection Not available

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of inadequate ventilation, wear respiratory protection.

8.2.3. Environmental exposure controls Not available

SECTION 9 – Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Form	Flake (FN grade), Pellet (Others except FN grade)
Color	Natural
Odor	None
pH	Not applicable
Melting point	220~230°C <
Boiling point	Not applicable
Flash point	522°C <



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Auto-ignition temperature	550°C <
Evaporation rate	Not applicable
Flammability	Not applicable
Upper flammability	Not applicable
Lower flammability	Not applicable
Vapor pressure	Negligible
Vapor density	Not applicable
Specific density	1.20
Solubility	Insoluble in water
Partition coefficient (n-octanol/water)	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable

9.2. Other information

Sensitivity to impact: none

SECTION 10 – Stability and reactivity

10.1 Reactivity	No reactive under recommended conditions of storage and handling.
10.2 Chemical stability	Stable under recommended conditions of storage and handling.
10.3 Possibility of hazardous reactions	Dust explosion, ignition energy(dust) $\geq 25\text{mJ}$
10.4 Condition to avoid	Attacked by strong oxidizing agents. Workplace shall be provided with anti-static device.
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	During combustion: Carbon dioxide, Carbon monoxide.

SECTION 11 – Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Oral	Not available
Dermal	Not available
Inhalation	Not available
Skin corrosion/irritation	Not available
Serious eye damage/irritation	Not available
Respiratory sensitisation	Not available
Skin sensitisation	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	Not available



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Reproductive toxicity	Not available
STOT-single exposure	Not available
STOT-repeated exposure	Not available
Aspiration hazard	Not available

11.2 Information on other hazards

Endocrine disrupting properties	Not available
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SECTION 12 – Ecological information

12.1. Toxicity	Not available
12.2. Persistence and degradability	Not available
12.3. Bioaccumulative potential	Not available
12.4. Mobility in soil	Not available
12.5. Results of Persistent, Bioaccumulative and Toxic substance (PBT) and Very Persistent and Very Bioaccumulative (vPvB) assessment	Not available
12.6. Endocrine disrupting properties	Not available
12.7. Other adverse effects	Not available

SECTION 13 – Disposal considerations

13.1. Waste treatment methods

Product disposal	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Packaging disposal	Improper disposal or reuse of this container may be dangerous and illegal.

SECTION 14 – Transport information

14.1. UN number or ID number	Not applicable
14.2. UN proper shipping name	Not applicable
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	Not applicable
14.7. Maritime transport in bulk according to International Marine Organization (IMO) instruments	Not applicable

SECTION 15 – Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH Candidate List of substances of very high concern for Authorisation	Listed
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV329)	



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REACH Annex XIV List (Authorisation List)

Not listed

REACH Annex XVII restrictions

No REACH Annex XVII restrictions

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012

on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council

Directive 96/82/EC

Not applicable

15.2. Chemical safety assessment

Not available

SECTION 16 – Other information

16.1. Indication of changes

All sections of this SDS have been revised based on REGULATION (EC) No. 1272/2008 and REGULATION (EC) No. 1907/2006, Annex II.

16.2. Further information

The information provided in this SDS are based on currently available materials, information, and other data, however, we cannot assume any liability for the accuracy of the information contained. All chemical products may have unknown, potentially hazardous characteristics. It is recommended that handling should be done with caution.