

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CarboREX sheet

Recommended use of the chemical and restrictions on use

Recommended use : Sheet of moulded plastic

(Building construction canopy, sound barrier, electric and electronic parts, etc.)

Restrictions on use : No data available

Manufacturer or supplier's details

Company : Plastech Co.,Ltd

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification : Not a dangerous substance according to GHS.

GHS Labelling : Not a dangerous substance according to GHS.

Other hazards which do not result in classification

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Type of product : Polycarbonate sheet based on bisphenol A

Chemical name	CAS-No.	Concentration (%)
Polycarbonate	25971-63-5	Min 99.5%

4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

Eyes contact : Immediately bathe eyes with cold water for at least 20 min.

If eye irritation persists, consult a specialist.

Skin contact : Contact with the hot melt

Wash with a lot of water as quickly as possible.

To obtain treatment for possible burns, and appropriate skin care, seek medical advice immediately.

Inhalation : Immediately get fresh air and medical attention.

Ingestion : Keep respiratory tract clear.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing media :

sprayed water jet, Send, Carbon dioxide (CO₂), Dry chemical

Inadequate fire extinguishing agent : No data

Special hazards arising from the substance or mixture :

Burning releases carbon monoxide, carbon dioxide

In the event of fire and/or explosion do not breathe fumes.

Special protective equip-ment for firefighters :

Firemen must wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Granules - slip hazard!

Environment related measures

Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Use mechanical handling equipment. Avoid dust formation.

Reference to other sections

For further disposal measures see section 13.

7. HANDLING AND STORAGE

Storage : Store the roll in the closed container.

Handling : Do not make contact with molten polymer.

Immediately remove spilled products from the floor to avoid injury.

Dangerous reaction : Not expected, but prevent the material from contacting with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure standards for chemicals, biological exposure standards, etc.

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Hand protection : Gloves should be worn to avoid thermal burns.

Eye protection : Wear eye/face protection.

Skin and body protection : Wear suitable protective clothing.

Appropriate engineering management : No data

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form : Plastic Sheet

Odor: odorless

pH : Not applicable

Softening point : > 130 - 160 °C

Upper/lower flammability or explosive limits : Not applicable

Vapour pressure : Not applicable

Density : 1.2 g/cm³

Water solubility : Practically insoluble

Autoignition temperature : Not applicable

Ignition temperature : > 450 °C

Decomposition temperature : >= 380 °C

Viscosity : not applicable

10. STABILITY AND REACTIVITY

Possibility of chemical stability and adverse reaction :

Fumes evolved by overheating during improperly processing or by burning may be injurious to health. Possibility of hazardous reactions: No hazardous reactions observed.

Conditions to avoid : No data

Material to avoid : No data

Hazardous decomposition products :

Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO₂ may be developed.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity, oral : No data available.

Acute toxicity, dermal : No data available.

Acute toxicity, inhalation : No data available.

Primary skin irritation : No data available.

Primary mucosae irritation : No data available.

Sensitisation : No data available.

Subacute, subchronic and prolonged toxicity : No data available.

Carcinogenicity : No data available.

Reproductive toxicity/Fertility : No data available.

Reproductive toxicity/Teratogenicity : No data available.

Genotoxicity in vitro : No data available.

Genotoxicity in vivo : No data available.

STOT evaluation – one-time exposure : No data available.

STOT evaluation – repeated exposure : No data available.

Aspiration toxicity : No data available.

Additional information : According to our experience and information the product has no harmful effects on health if properly handled.

12. ECOLOGICAL INFORMATION

Ecotoxicity : No data available.

Persistence and degradability : No data available.

Bioaccumulative potential : No data available.

Mobility in soil : No data available.

Other adverse effects : The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. The product is not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Disposal considerations :

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

Waste treatment methods :

Empty containers should be collected at an approved waste disposal site for recycling or disposal. Landfill or recycle.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG : Not regulated as a dangerous good

IATA-DGR : Not regulated as a dangerous good

IMDG-code : Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable.

National Regulations

Refer to section 15 for specific national regulation.

Special precautions for user

Not dangerous cargo. Keep dry.

15. REGULATORY INFORMATION

National regulatory information

Regulation under the Occupational Safety and Health Act

Harmful Substances Prohibited from Manufacturing : Not applicable

Harmful Substances Required Permission for Manufacture : Not applicable

Hazardous substances requiring management : Not applicable

Special Management : Not applicable

Controlled Substances Subject to Environment Monitoring : Not applicable

Controlled Substances Subject to Health Examination : Not applicable

Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act

Toxic Chemicals : Not applicable

Restricted Chemicals : Not applicable

Prohibited Chemicals : Not applicable

Toxic Release Inventory : Not applicable

Accident Precaution Chemicals : Not applicable

Dangerous Substances Safety Management Act

Not Applicable to Dangerous Materials

Wastes Control Act

Industrial waste. Follow article 13 of the act to dispose the product waste

Other requirements in domestic and other countries : No data available

16. . OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.