



The SDS format adheres to the standards and regulatory requirements of China and may not meet regulatory requirements in other countries.

Dongyue Safety Data Sheet

Dongyue PTFE DF161

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"Dongyue" is a registered trademark of shandong dongyue polymer material co.,ltd.

Corporate SDS Number : DY000161 CAS NO.:9002-84-0

Company Identification

MANUFACTURER/DISTRIBUTOR

Dongyue
Tangshan Town Huantai county
ZiBo City, Shandong province
China 256401

PHONE NUMBERS

Product Information : 86-533--8220305
Transport Emergency : 86-533-3142512
Medical Emergency : 86-853-8510072

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	%
Polytetrafluoroethylene	≥99.96
Water	≤0.04

HAZARDS IDENTIFICATION

Potential Health Effects

Skin contact may cause skin irritation with discomfort or rash. The product washed with water was not a skin irritant or a skin sensitizer in human patch testing.

Eye contact with the product may cause eye irritation with discomfort, tearing, or blurring of vision.

Inhalation may cause irritation of the upper respiratory passages or lung irritation effects with cough, discomfort,



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difficulty breathing, shortness of breath, or pulmonary edema (body fluid in the lungs). Symptoms may be modest initially followed in hours by severe shortness of breath requiring prompt medical attention.

Ingestion may cause nonspecific discomfort, such as nausea, headache, or weakness, heartburn, vomiting, or diarrhea. Ingestion of Hexylene glycol may cause temporary nervous system depression with anaesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness.

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

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse.

EYE CONTACT

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

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.



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FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : Extinguishes flame
Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, and throat irritation or toxic effects.

Extinguishing Media

Suitable for combustibles in the area.

Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus.

Avoid breathing decomposition products.

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.

Initial Containment

Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

Accidental Release Measures

Place in container for disposal. Flush spill area with water.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Avoid circumstances that produce respirable particles unless suitable ventilation and respirator



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are used.

Storage

Keep container tightly closed.
Perishable if frozen. Keep away from open flames and heated surfaces above 200 degC (392 degF).

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Keep container tightly closed. Use only with adequate ventilation. Vent heated extruder or dryer fumes outside work area. Do not aerosolize. In spray applications, use airless type pressure spray equipment at less than 60 psi, and exhaust ducts, drip pans, or other design features to minimize worker exposure to mists and overspray.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear coverall chemical splash goggles.

RESPIRATORS

Wear NIOSH approved respiratory protection as appropriate.

PROTECTIVE CLOTHING

Where there is potential for skin contact have available and wear as appropriate, impervious gloves, apron, pants, and jacket.

Exposure Guidelines

Applicable Exposure Limits

Hexylene Glycol	
PEL (OSHA)	: None Established
TLV (ACGIH)	: 25 ppm, 121 mg/m ³ , Ceiling
AEL * (Dongyue)	: None Established

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



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(Applicable Exposure Limits - Continued)

Exposure Guideline Comments

No AEL has been established for this product. Other products with fluorinated material components have an AEL of 0.1 mg/m³ to 1 mg/m³ (8 hour TWA) for respirable size aerosol particles.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Melting Point	:	327±10	°C
Tensile strength	:	≥ 35	Mpa
Elongation at Rupture	:	≥ 400	%
Volume Density	:	≥ 350	g/L
Average Grain (μm)	:	20---30	
Moisture Content(%)	:	≤ 0.04	
Standard relative density	:	≥ 2.150-2.180	
Thermal instability index	:	≤ 20	
Electrical Strength	:	≥ 80	Mv/m

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Polymerization

Polymerization will not occur.



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TOXICOLOGICAL INFORMATION

Animal Data

"Dongyue" Advance:

Oral ALD: >11,000 mg/kg in rats

Hexylene Glycol:

Dermal LD50: 7.88 g/kg in rabbits
Inhalation 8 hour ALC: >18,000 ppm in rats

The product is a mild transient eye irritant and a slight skin irritant in animals. No animal test reports are available to define carcinogenic, mutagenic, developmental or reproductive hazards.

A product is moderately toxic by inhalation. A single inhalation exposure to this product produced slight weight loss, nasal and ocular discharge, labored breathing, and lethargy.

ECOLOGICAL INFORMATION

Ecotoxicological Information

96 hour LC50, fathead minnows : 32 mg/L.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not burn.



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TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO/IATA

Proper Shipping Name : Not Regulated

REGULATORY INFORMATION

According to U.S. federal Regulations

TSCA Inventory Status : Reported/Included.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute	:	No
Chronic	:	No
Fire	:	No
Reactivity	:	No
Pressure	:	No

OTHER INFORMATION

Consulting to NFPA, NPCA-HMIS

NPCA-HMIS Rating

Health : 2

Flammability : 0

Reactivity : 1

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

The data in this 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 SDS : SDS Coordinator

Shandong Dongyue Polymer Material Co.,Ltd

Address : zibo city, shandong Province,China

Telephone : 86-533-3142512

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 SDS