MSDS

Material Safety Data Sheet

DYNEX PP

2015.02.26 (Rev.0)

Product Name:	DYNEX PP
Chemical Name:	RANDOM POLYPROPYLENE
CAS NO:	9010-79-1 (POLYMER)
Product Use:	Engineering Plastic Stock Shape for Machining
Company Identification:	DYNEX Co.,Ltd. Namdongseo-ro, Namdong-Gu, Incheon-City, Korea (TEL:82-32-677-2971, FAX:82-32-677-2974)

Hazard Identification

Emergency overview
NFPA Rating : Health = 1, Flammability = 1, Reactivity = 0

Eye
Mechanical irritations is possible.

Skin
Hot and molten material has the potential to cause thermal burns.

Inhalation
Shapes not respirable.

Ingestion
No specific information available on the product.

Composition, information on Ingredients

Additives not hazardous by 29 CFR 1910.1200.

Identity	CAS#	Concentration(%)
Polypropylene	9010-79-1	>94
Polyethylene	9002-88-4	<5
Other additives	-	<1

First Aid Measures

Eye
Immediately flush eyes with plenty of water. Seek medical attention if discomfort persists.

Skin
If hot and molten PP contact skin, cool rapidly with cold water. If PP is stuck to skin, do not remove, and seek medical attention. And allow adhered PP to come off naturally.

Inhalation
PP is not likely to be inhaled due to physical form. When gas from molten P is inhaled, move to fresh air.

Ingestion
If a significant quantity has been swallowed, give plenty of water to dilute. Seek medical attention.

Fire Fighting Measures

Flash Point : Not applicable.

Auto Ignition Temperature : 350°C (662°F)

Unusual Fire, Explosion Hazards
None Known.

Hazardous Product of Combustion
Carbon monoxide, carbon dioxide, organic oxidation products and fumes.

Extinguishing Media
Carbon dioxide, dry chemical, foam or water spray.

Firefighting Instructions
Firefighters should wear self-contained breathing ap paratus and full fire-fighting turn-out gear(bunker gear). Product burns with a very hot, but very faint blue flame. Water, foam and dry chemical may cause damage to electrical equipment.

Accidental Release Measures

Personal precaution
Sweeping to prevent fall.

Environmental protection
No special measures.

Handling and Storage

Handling
Evacuate residue to prevent slipping hazard.

Storage
Store in well-ventilated area away from heat and sunlight.

Exposure Controls / Personal Protection

Engineering Controls
A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended.

Protective Equipment
Eyes: Wear safety glasses with side shields should be sufficient for most processing and machining runs.
Skin: When thermal or melt processing, wear long pants, long sleeves and well insulated gloves.
Inhalation: A NIOSH approved respirator is recommended. If material is being burned wear an organic respirator.

Exposure Guidelines
Operations involving grinding and machining of parts should be reviewed to assure that particulate levels are kept below recommended standard.

Ingredient	Agency	Value
Nuisance/Inert Dust	PEL(OSHA)	15mg/cm^3

Physical and Chemical Properties

Appearance:	Solid
Smell:	None
PH:	Not applicable
Water Solubility:	Insoluble
Boiling Point:	Not applicable
Melting Point:	140~170°C (284~338°F)
Vapor Pressure:	Not applicable
Specific Gravity:	0.890 ~ 0.930g/cm^3

Stability and Reactivity

Chemical Stability
Stable under normal conditions of use and storage.

Condition to Avoid
Heating above 230°C (446°F) - Forms formaldehyde.

Materials to Avoid
Strong acids, base(decomposes forming formaldehyde) and oxidizing materials.

Hazardous Decomposition Products
Trioxane, formaldehyde and formic acid.

Toxicological Information

No specific information available on the product.

Ecological Information

Ecotoxicity
No specific information available on the product.

Environmental Information
This material is considered to be non-biodegradable.

Aquatic Toxicity
Toxicity is expected to be low based on insolubility of polymer in water.

Disposal Considerations

Recycling is encouraged. Dispose in accordance with local regulations.

Transportation Information

This product is not subject to transport regulations.

Regulatory Information

OHSA: This product is not considered hazardous under OHSA.
TSCA: All ingredients are listed.
CERCLA: Not Applicable.
SARA 302/304: No extremely hazardous substances.
SARA 311/312: Based upon available information, this material is not classified as a health and/or physical hazard according to Section 311&312.
SARA 313: This product is not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

Other Information

This product is not intended for use in medical applications involving permanent implantation in the human body. The information contained herein is based on the present state of our knowledge. We don't suggest or guarantee that any hazards listed herein are the only ones that exist. DYNEX Co., Ltd. Makes no warranty of any kind concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and this material may aggravate the effects of other materials.
Users have the sole responsibility to determine the suitability of the materials of any use and the manner of use contemplated. Users must meet all applicable safety and health standards.

End of MSDS