FILE NO.PP: Z-1500

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

1).Product code/name: PP:Z-1500, Melt Blown PP

2).Chemical family: PP (polypropylene) compound

3).Main chemical formula: $-[-CH_2-CH(CH_3)-]-_n$

4).Manufacturer: SHANDONG DAWN POLYMER CO.,LTD

5).Address: Longkou development zone,Shandong,PRC.

6).Emergency call: 86-535-8868588

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS. No.	Concentration
PP	9003-07-0	98.6~99.2%
Accessory additives	mixture	0.8~1.4%

SECTION 3 HEALTH HAZARD DATA

Inhalation: The dust from this material may cause respiratory irritation.

Ingestion: Not to expected to be harmful if swallowed.

Skin Contact: No information reported, molten material may cause thermal burns, may include pain or feeling of heat, discoloration swelling and blistering.

Eye Contact: Not expected to cause prolonged or significant eye irritation. material dusty particle may act as foreign body. If material is heated, thermal burns may result from eye contact.

SECTION 4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical attention when necessary.

Ingestion: If swallowed, do not include vomiting, give the person water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: IF molten material just contacts skin, remove rapidly and cool with water and seek medical attention if any symptoms develop. If molten or heat material gets on skin, quickly cool in water, see a doctor for extensive burns. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve the solidified material. May use vegetable oil, mineral oil or petroleum jelly for removal of the material from the skin.

Eye Contact: Flush with copious clear water (eyes wash water). Get medical attention if irritation developed

SECTION 5 FIRE FIGHTING MEASURES

NFPA ratings: Health: 1 Flammability: 3 Reactivity: 0

(0=Least,1=Slight, 2=Moderate, 3=high, 4=Extreme, *=Chronic Effect indicator NFPA=National Fire Protection Association)

Flash point: Not determined.

Extinguishing media used includes suitable water spray, carbon dioxide and other dry chemical foam etc. when necessary, wear personal protective equipment(PPE) to protect skin and eyes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

When released or spilled, Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. If molten material is spilled, allow it to cool before proceeding with disposal methods.

SECTION 7 HANDLING AND STORAGE

General Storage Information: Store in a dry and well ventilated area and keep the container closed when not in use. Keep the material away from moisture or humidity environment, heat, sparks OR open flame.

Unusual Handling hazards: Potential toxic/irritating fumes may be evolved from molten or heat material.

Precautionary Measures: Spilled pellets may create a slipping hazard. Avoid breathing vapors or fume which may be released during thermal processing. Avoid contact of molten or heated material with skin,eye and clothing.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls:

If molten or heated material generates vapor of fumes, use process enclosures, local exhaust ventilation, or other engineering controls to control exposure.

Personal Protective Equipment:

Eye/Face Protection: Wear eye protection such as safety glasses, chemical goggles, or faceshields if engineering controls or work practices are not adequate to prevent eye contact. No special eye protection is normally required. If operating conditions create dust that is not adequately controlled, wear appropriate goggles. If this material is heated, wear chemical goggles or safety glasses and a face shield.

Skin Protection: If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate to prevent skin contact.

Respiratory Protection: If user operations generate harmful levels of airborne material that is not adequately controlled by ventilation, wear a NIOSH approved respirator that provides adequate protection.

SECTION 9 PHSICAL AND CHEMICAL PROPERTIES

1).Appearance: solid and pellet(dyed as users requirement)

2).PH value: NA 3).Melting point: 180~230 ℃

4).Vapor pressure: NA 5).Vapor density(air=1): > 2

6).Solubility(in water):Negligible 7).Percent volatile: Negligible

8).Specific gravity:0.90~0.93g/cm3 9).Odor: odorless

SECTION 10 STABILITY AND REACTIVITY DATA

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handing conditions of temperature and pressure.

Conditions to Avoid: Moisture environment

Incompatibility With Other Materials: Strong oxidizing materials.

Hazardous Decomposition Products: Thermal decomposition may produce some materials with lower molecule weight such as CO, CO2, H2O, tetrahydrofuran, other oxide etc.

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMANTION

Immediate Health Effects:

Acute Oral Toxicity: LD50/ not known

Acute Dermal Toxicity: LD50/ not known

Acute Inhalation Toxicity: LC50/ not known

Eye Irritation: This material is not expected to be irritating to the eyes.

Skin Irritation: This material is not expected to be irritating to the skin.

Additional Toxicology Information:

The toxicological properties of this product have not been tested or have not been tested completely and its handing or use may be hazardous.

Long-term exposure to high dust concentrations may cause non-debilitating lung changes.

SECTION 12 ECOLOGICAL INFORMANTION

Eco-toxicity:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

Environmental fate:

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATION

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined the State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, law requires disposal at a licensed hazardous waste disposal facility.

If the material cannot be reused, combustion disposal is recommended.

When carrying out waste disposal, should meet the regulations of related Environment Protection Law.

SECTION 14 TRANSPORT INFORMATION

This material is considered to be non-hazardous or dangerous for land,sea and air transportation.

When transported, the material should keep closed in the intact container or standard package and keep away from strong oxidant, high temperature and moisture.

SECTION 15 REGULATORY INFORMATION

All concerned criteria of chemicals should be defined by National Regulations of Chemicals Safety Management(1992-677) and the Regulation of Chemicals Application on Worksite(1996-423) about chemicals safe-using, production, storing, transportation, loading/unloading and so on .

SECTION 16 OTHER INFORMATION

The information submitted in the above MSDS is based on our current knowledge and experiences. All materials may present unknown health hazards and should be used with caution. We do not assume any responsibility for the results of its use.

This information is furnished upon condition that the person receiving it shall make his own determination of suitability of material for his particular purpose.