



Material Safety Data Sheet (MSDS)

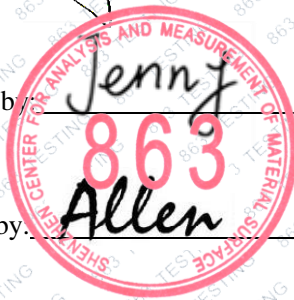
Report No. : SAC2018-02189E
Customer : Shenzhen Welfield New Materials Tech Co., Ltd.
Address : 6-2 Fukang Road, Fumin Industrial Zone, Pinghu, Longgang, Shenzhen
Sample Name : PET Flame retardant masterbatch(WF-PE800)

Edited by: June

Audited by: Jenny

Approved by: Allen

Date: Mar.27, 2018



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Section 1- Chemical Product and Company Identification

Chemical name:	PET Flame retardant masterbatch(WF-PE800)
Material:	PET
Model:	WF-PE800
Manufacturer:	Shenzhen Welfield New Materials Tech Co., Ltd.

Section 2- Information of Composition

Composition:	It consists mainly of high molecular weight polymers, which are non-hazardous.
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Section 3-Hazards identification

Emergency Overview:	<ol style="list-style-type: none"> 1. Plastic film or sheet 2. Flammable and produces a lot of toxic fumes 3. Molten plastic can cause severe thermal burns 4. Steam generated during thawing may cause irritation to eyes, skin and respiratory tract 5. During reprocessing, dust generated during grinding, sanding or sawing may cause an explosion or cause breathing difficulties. Rated HMIS: health = 0; flammability = 1; reactivity = 0; PPE = B
Ingestion:	Non-toxic.
Inhalation:	It is impossible to inhale the physical form of the product.
Eye contact:	Due to mechanical movement, the product may cause irritation or injury.
Skin contact:	Due to mechanical movements, the product may cause irritation or the fumes generated during handling may produce irritation to the eyes, skin and respiratory tract. In severe cases of exposure, nausea and headaches can also occur.

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	In air duct systems, molds and other surfaces of grease-like handling smoke condensate can cause irritation and damage to the skin.
Medical restrictions:	It has not been confirmed that exposure to this product will have a worse effect on the human body. However, some sensitive people or people with respiratory problems may cause injury during contact with the exposed components of the steam.

Section 4-First Aid Measures

Eyes:	Rinse immediately with plenty of water. If no improvement is made, take medication. Remove the contact lens after the initial flush.
Skin:	Wash with soap and water. If the stimulus worsens or continues to take medication. For hot products, immediately immerse in cold water or rinse the affected part with plenty of cold water to remove heat. Wrap it with clean cotton or gauze, and then take timely medications.
Ingestion:	There is no danger when used as normal industrial use. Do not induce vomiting. If symptoms persist, take medication.
Inhalation:	This kind of material is unlikely to cause injury through inhalation, so no special treatment is required. If you come in contact with excessive dust or fumes and get into the fresh air, if you have cough or other symptoms persist, take medication.
Handling smoke:	Inhalation of smoke may stimulate the breathing tube. If you have experienced such symptoms, evacuated the victim from the source of pollution or transferred them to fresh air and then give medical advice.

Section 5-Fire Fighting Measures

Firefighting:	Do not go to places where there is no proper protective measures, including fully equipped breathing apparatus and complete protective equipment. Fire at a safe
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	distance away from a safe place to avoid harmful vapors and decaying material. For the molten mixture, the cooling properties of the water make it the most suitable fire-fighting prop.
Extinguishing media:	Water fog and foam. Because the lack of cooling performance of carbon dioxide and dry chemicals may also cause re-ignition, it is not recommended.
Dangerous combustible products:	Intense heat, smoke, carbon dioxide, carbon monoxide and hydrocarbon fragments.
Combustible conditions:	Ignition with a continuous flame source.
Explosion data:	Materials that are not sensitive to mechanical influence but are statically desensitized to dust and cloud conditions.

Section 6-Accidental Release Measures

General Information:	Collect and store in a sealed container for waste disposal estimates.
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Section 7-Handle and Storage

Handling Precautions:	When handling hot-melt substances, use protective equipment and apply the recommended ventilation method in Section 8.
Storage Precautions:	Store in a cool, dry place. Avoid overheating or sources of ignition.

Section 8 - Exposure Controls, Personal Protection

Engineering Control:	Provides continuous fresh air for the work environment while using the exhaust system to eliminate fumes generated during processing. Condensation of smoke from processing can create fire hazards and poisoning events, so periodic cleaning of exhaust
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	hoods, ductwork, and other surfaces of such materials and appropriate personal protective measures are required. Partial ventilation must be determined to limit the explosion of processing smoke in the workplace.
Eyes/Face:	Wear safety glasses with side shields or chemical goggles. In addition, wear full-face protection when cleaning hoods, pipes, and other surfaces to process smoke condensate.
Skin:	Avoid prolonged or repeated contact when handling pellets or powders. Wear trousers, long-sleeved clothing, well-insulated gloves, and a face shield when thawing. Appropriate clothing, including chemical-resistant gloves, should be worn when handling the smoke condensate to prevent contact.
Breathe:	Use of this product at high temperatures, if the process smoke is not fully controlled or the operator has experienced excessive photosensitivity, carry out engineering systems, administrative controls, or a respiratory protection program (including those that can prevent organic vapors, acid gases, and particulate matter Antivirus surface). If the dust is caused by secondary processing such as sawing or grinding, use an approved gas mask.

Section 9-Physical and Chemical properties

Physical state:	Solid state	Odor and appearance:	White particles, odorless.
Melting point(°C) :	This product does not have a significant melting point, but gradually softens over a wide range of temperatures.		
Steam pressure (mmHg):	No data	proportion:	(H ₂ O=1): >1
Water solubility:	Can not be dissolved.	%volatility:	Can be ignored

Section 10-Stablity and Reactivity

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Stability:	Stable.
Reactivity:	It does not react under the recommended handling, storage, processing and use conditions.
Conditions to avoid:	Do not exceed the melting temperature recommended in the product literature. Respiratory protection advice is given in Section VIII.
Dangerous decomposition:	The gradual formation of the treated smoke in the recommended processing conditions may include trace levels of phenol, alkyl phenols, and carbonates.
Section 11- Toxicological Information	
Acute toxicity:	Not clear
Chronic or long-term toxicity:	Not clear
The LD50:	Not clear
The LC50:	Not clear
To the mouth:	Estimated >5.0g/kg.
For the dermis:	Do not think that the product is the most important skin irritant. For similar products, the skin's primary irritation index (rabbit) is sputum after exposure for 24 hours under good split conditions. The dermal layer is LD50 (rabbit)>2 g/kg, estimated.
For inhalation:	Treatment fumes produced from similar products are non-toxic. In the sensitive inhalation test, the rats in the laboratory were exposed to much larger concentrations of smoke than in the workplace. We hope to have transient stimuli in some cases, but no death or poisoning occurred during the 6-hour smoke exposure experiment. No obvious and consistent changes in tissue and organs were found in the total autopsy.
Eye contact:	This product may cause irritation or injury due to mechanical movements.

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skin contact:	This product may cause irritation or injury due to mechanical movements.
Section 12 - Ecological Information	
Ecological toxicology:	This material will not cause harm to the ecology.
Section 13 - Disposal Considerations	
Process of waster product:	Encourage recycling. According to federal, national and local requirements, landfills are buried and discarded. Collect smoke condensate and incinerator ash and identify their waste categories. Discarded materials are not expected to be dangerous.
Section 14 - Transport Information	
Adjustment status:	Do not adjust.
Section 15 - Regulatory Information	
Regulation information:	Safety, health, and environmental regulations/legislation for the corresponding pure substance or mixture.
Section 16 - Other informations	
Other informations:	The content and format of this Chemical Safety Data Sheet are based on the European Union (EC) No 1272/2008, (EC) No 1907/2006, Directives 1999/45/EC and 67/548/EEC.

*** End of report ***

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