威科特瑞
发挥非金属资源无限潜能

MSDS

COMPOUND FLAME RETARDANT

TPM-PVC-55 （Based on PVC）

Section 1: Chemical Product and Company Identification

Product Name: COMPOUND FLAME RETARDANT/TPM-PVC-55

Application: Plastic processing industry

Recommended Use: Flame retardant or flame retardant synergist

Substance Classification: Pigments and additives

Manufacturer: Liaoning Victory Fire-retardant Material

Technology Co., Ltd.

Company Address:GROUP 5, QINGYISHAN VILLAGE, QINGYISHAN TOWN, KUANDIAN MANZU AUTONOMOUS COUNTY, DANDONG CITY, LIAONING PROVINCE, CHINA

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Section 2: Hazard Identification

GHS Classification: No hazardous classification

Label Elements

Pictogram or Symbol: None

Signal Word: None

Hazard Statements: None

Precautionary Statements: Read instructions before use; use personal protective equipment as required. Avoid inhalation; avoid contact with eyes; use in well-ventilated areas.

Other Hazards: None

Additional Information: Refer to Section 11 and Section 12

Section 3: Composition/Information on Ingredients

This product is composed of the following ingredients and contains no other components. The total of these ingredients and component samounts to 100%.

Chemical Ingredient	CAS Number	Hazard Classification	Content
Antimony Trioxide	1309-64-4	Xn, R40	55%
Polyvinyl chloride	9002-86-2	-	17%
Di-2-ethylhexyl terephthalate; Dioctyl terephthalate	6422-86-2	-	24%
Octadecanoic acid, zinc sal	557-05-1	Xi, 22-26-36/37/39-38	4%
Arsenic (As)	7440-38-2	T, N, R23/25, R50/53	≤0.01%

Section 4: First Aid Measures

General Advice: Remove contaminated clothing.

First Aid Measures:

Inhalation: Rinse the mouth and nose with clean water, then move the patient to fresh air for medical treatment.

Skin Contact: Wash with soap and plenty of water. Seek medical treatment if irritation occurs.

Eye Contact: Rinse with clean water. Seek medical treatment if irritation occurs.

Ingestion: Rinse the mouth with water, allow the patient to drink water, and administer a purgative. Do not induce vomiting.

Main Symptoms and Health Effects: No adverse effects under normal use.

Section 5: Firefighting Measures

Extinguishing Methods and Extinguishing Agents:

- Appropriate: For large fires, use dry chemical agents, foam, or water; for small fires, use carbon dioxide, dry chemical agents, or water.
- Please use firefighting methods suitable for the environment.
- Inappropriate: None

Risk of Fire and Explosion: None

Hazards from Thermal Decomposition and Combustion Products: None

Firefighting Personnel Protective Equipment: Wear self-contained breathing apparatus and protective clothing when extinguishing large fires.

Additional Information: Dispose of fire residue and contaminated extinguishing media in accordance with local laws.

Collect used firefighting water separately, and do not allow it to enter sewage systems.

Section 6: Accidental Release Measures

Personal Precautions: Avoid contact with eyes and inhalation. Use appropriate protective clothing and equipment. (See Section 8)

Environmental Protection Measures: Do not allow large quantities to enter drainage systems.

Cleaning Methods: Wipe up or shovel the spilled material and place it in a designated container for recycling or disposal.

Section 7: Handling and Storage

Handling: Use adequate ventilation to avoid inhalation; avoid eye contact;

Clean clothing and skin promptly after handling. Do not ingest.

Storage: Avoid rain, store in a dry place.

Packaging Material: PE film liner to prevent dust contamination and moisture absorption.

Section 8: Exposure Controls/Personal Protection

Ventilation: It is recommended to use ventilation equipment.

Personal Protective Equipment:

- **Respiratory Protection**: Dust mask
- **Hands**: Latex gloves
- **Eyes**: Protective goggles

Recommended Monitoring Procedures: Not specified

Section 9: Physical and Chemical Properties

Appearance: Granules

Color: Bluish-white granules

Odor: Odorless

Antimony Trioxide Content:55%

Section 10: Stability and Reactivity

Stability: Stable

Possible Hazardous Reactions: None

Conditions to Avoid: None

Incompatible Materials: None

Hazardous Decomposition Products: None

Moisture Absorption: When left exposed, the product absorbs a small amount of water.

Section 11: Toxicological Information

Acute Toxicity: LD50 (mouse) > 2000mg/kg.

Ingestion: Abdominal pain caused by foreign substances.

Eye Irritation: Slightly irritating.

Skin Irritation: Mildly irritating.

Inhalation Irritation: Irritates the nose and throat.

Carcinogenicity: No data.

Other Health Hazards: Long-term accumulation of heavy metals in the body can cause damage.

Section 12: Ecological Information

Ecotoxicity: Cannot be predicted

Persistence and Degradability: Solid material, will not degrade

Bioaccumulation: None

Mobility in Soil: Solid material, none

Section 13: Disposal Considerations

Product and Packaging Disposal Methods: Dispose of in accordance with local laws.

Section 14: Transport Information

Road and Rail Transport: Unrestricted, non-regulated.

Sea Transport (IMDG): Unrestricted

Air Transport (IATA): Unrestricted

Special Requirements and Other Information: None

Section 15: Regulatory Information

Applicable Regulations:

- Occupational Safety Regulations for Chemical Products [(1996) Ministry of Labor No. 423]
- Classification and Hazard Communication of Chemicals [GB13690-2009]

EC Number and Labeling: None

Section 16: Other Information

The content provided in this Safety Data Sheet (SDS) is based on the current knowledge and experience of our company.

The information is accurate as of the publication date and is provided as guidance for the safe handling, storage, transportation, and disposal of the product.

It should not be taken as a warranty or as product quality criteria.

Publicly disclosed product characteristics and performance for specific purposes should not be deleted from this data sheet.

The user of this product has the responsibility to ensure intellectual property rights and compliance with relevant laws and regulations.

This SDS is intended for the specified product only and cannot be applied to other substances unless specifically stated.