MATERIAL SAFETY DATA SHEET

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Ethyl Phenyl(2,4,6-trimethylbenzoyl)phosphinate 84434-11-7

Section 1. IDENTIFICATION

Product name: Ethyl Phenyl(2,4,6-trimethylbenzoyl)phosphinate

Section 2. HAZARDS IDENTIFICATION

GHS classification Not classified
PHYSICAL HAZARDS Not classified
HEALTH HAZARDS
ENVIRONMENTAL HAZARDS Not classified
GHS label elements, including precautionary statements
Pictograms or hazard symbols None
Signal word No signal word
Hazard statements None
Precautionary statements: None

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance
Components: Ethyl Phenyl(2,4,6-trimethylbenzoyl)phosphinate
Percent: >95.0%(GC)
CAS Number: 84434-11-7
Synonyms: Phenyl(2,4,6-trimethylbenzoyl)phosphinic Acid Ethyl Ester
Chemical Formula: C18H21O3P

Section 4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

Section 5. FIRE-FIGHTING MEASURES

Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

Special protective equipment for firefighters: When extinguishing fire, be sure to wear personal protective equipment.

Section 6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for containment and cleaning: Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected up: material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures: Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent generation of vapour or mist. Wash hands and face thoroughly after handling.

Use a ventilation, local exhaust if vapour or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool and dark place.

Store under inert gas.

Store away from incompatible materials such as oxidizing agents.

Air-sensitive

Packaging material: Comply with laws.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Engineering controls:

Personal protective equipment

Respiratory protection: Vapor respirator. Follow local and national regulations.

Protective gloves.

Hand protection:

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Liquid

Form: Clear

Colour: Pale yellow - Yellow

Odour: No data available

pH: No data available

Melting point/freezing point: No data available

Boiling point/range: No data available

Flash point: 184°C
Flammability or explosive limits:
Lower: No data available
Upper: No data available
Relative density: 1.13
Solubility(ies): Ethyl Phenyl(2,4,6-trimethylbenzoyl)phosphinate

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

[Water] No data available
[Other solvents] No data available
Log Pow: 2.91

Section 10. STABILITY AND REACTIVITY

Chemical stability: Stable under proper conditions.
Possibility of hazardous reactions: No special reactivity has been reported.
Incompatible materials: Oxidizing agents
Hazardous decomposition Carbon monoxide, Carbon dioxide, Phosphorus oxides

Section 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/irritation: No data available
Germ cell mutagenicity: No data available
Carcinogenicity:
IARC = No data available
NTP = No data available
Reproductive toxicity: No data available

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Fish: No data available
Crustacea: No data available
Algae: No data available
Persistence / degradability: No data available
potential(BCF) : Mobility in soil
Log Pow: 2.91
Soil adsorption (Koc): No data available
Henry's Law No data available

Section 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical
incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when
disposing of the substance.

Section 14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations
UN-No: Not listed

Section 15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002 and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

SECTION 16. ADDITIONAL INFORMATION

N/A