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: Not classified
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 Ensure adequate ventilation. Entry to non-involved personnel should be controlled emergency procedures: around the leakage area by roping off, etc.
Environmental precautions: Prevent product from entering drains. Methods and materials for Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust).
containment and cleaning: 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:
Respiratory protection: Vapor respirator. Follow local and national regulations.
Personal protective equipment
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
**MATERIAL SAFETY DATA SHEET**

**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

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**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

[Wa ter] No data available

[Other solvents] No data available

**Log Pow:** 2.91

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**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

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**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

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**Section 12. ECOLOGICAL INFORMATION**
MATERIAL SAFETY DATA SHEET

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