

Material Safety Data Sheet

APE(Pentaerythritol Triallyl Ether)

Part One Chemical and Company Identification

Chemical Code: APE

Chemical name: Pentaerythritol Triallyl Ether

Company Name: Zhuhai Feiyang Novel Materials Corporation
Limited

Address: FEIYANG CHEMICAL FACTORY , BEIWU ROAD ,PETROL-
CHEMICAL DISTRICT, ZHUHAI GAOLAN PORT ECONOMIC ZONE

Contact Tel.: 86-755-36694813 Fax: 86-755-36694828

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Emergency Call: 86-755-36694813

Website: <http://www.feiyang.com.cn>

Email: export2@feiyang.com.cn (Sherry Tang)

Part two ---Composition /component information

Component	CAS NO.	Content
Pentaerythritol Triallyl Ether	1471-17-6	≥98.0%

Part three---Hazards identification

Hazards class: Irritant

Hazard to environment: Harmful to aquatic organisms, may case long-term adverse
effect in the aquatic environment.

Part four---First aid measure

Any question or continual symptom, ask for help from doctors.

Skin contact: immediately rinse with water

Eye contact: rinse opened eye for several minutes under running water. If symptoms
persist, consult a doctor.

Inhalation: fresh air and rest

Ingestion: if swallowed, rinse out mouth and then drink plenty of water or milk. If you

feel unwell consult doctor.

Part five ---fire fighting measures

Hazards formed gas: formation of toxic gases is possible during heating or in case of fire.

Extinguishing way: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Fire fighting instructions: wear self-contained respiratory protective device.

Other information: cool endangered receptacles with water spray.

Part six ----Accidental release measure

Personal safety precautions: keep unprotected person away, wear protective equipment.

Environment protection: do not to allow entering sewers /surface or ground water.

Inform respective authorities in case of seepage into water course of sewage system.

Cleaning: absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders). Dispose of these collected according to regulations.

Part seven----Handling and storage

Handling: store in cool, dry place in tightly closed receptacles, ensure good ventilation /exhaustion at work place.

Storage: avoid contact with air /oxygen (formation of peroxide), protect from heat and direct sunlight . Store in cool, dry conditions in well sealed receptacles.

Part eight ---Exposure controls /personal protection

Monitoring: the product doesn't contain any relevant quantities of material with critical values that have to be monitored at the work place .

Hygienic measures: Avoid contact with eyes and skin.

Respiration protection: suitable respiratory protective device. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device .

Hand protection: protective gloves made of chloroprene rubber, CR, nitrile rubber, NBR, fluorocarbon rubber (viton)

Eye protection: wear tightly sealed goggles.

Additional: ensure that eyewash station and safety showers are proximal to the work place .

Part nine---Physical and chemical properties

Appearance: Clear Colorless Liquid

Melting point: < -20°C
Boiling point : 100°C(10 Pa)
Flash point :146 °C
Density (20°C) :0.985 g/cm³
Preoxide(ppm): ≤20
Color(APHA): ≤50(Pt-Co)
Hydroxyl number(mg KOH/g): 230-260
Solubility in /miscibility with water: partly miscible.

Part ten--- Stability and reactivity

Stability: stable
Incompatibility with other material: oxidizing agent, possible formation of peroxide.
Avoid in conditions: To avoid thermal decomposition do not overheat. No decomposition if used according to specifications .
Decomposition: poisonous gases and vapors

Part eleven ---Toxicological information

Acute toxicity: LD/LC 50 values >5000 mg/kg (rat)
Aquatic toxicity: EC50/72 h >100mg/L (alga)
LC50/96h=52mg/L (fish)
Skin irritant: irritant to skin and mucous membranes
Eye irritant: irritating effect

Part twelve---Ecological information

Mobility and bioaccumulation potential: not expecting accumulation in organisms
BCF: 3.2 (estim)
Other: halftime in soil 30 days (estim)

Part thirteen --- Disposal consideration

Recommendation: wastes from organic chemical processes, wastes from the manufacture ,formulation ,supply and use (MFSU) of basic chemicals . Disposal must be made according to official regulations.

Part fourteen ---Transportation information

ADR/RID class:-Not dangerous chemical
IMDG:- Not dangerous chemical
ICAO/IATA class:- Not dangerous chemical

Transport information: not dangerous goods according to the above specifications.

Part fifteen--- Regulatory information

Regulations: safety regulation for hazardous chemicals

Detail application rules of safety regulation for hazardous chemicals

Rules of using chemical safely at working spot.

Cass and sign for common hazardous chemicals (GB13690-92)

Part sixteen ---Other information

References: 1. safety management for chemicals at working spot

2. Safety handbook for hazardous goods

3. All-round book for safety technology hazardous chemicals

4. Register regulation for hazardous chemicals

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.