



# Material Safety Data Sheet

## Chemnox AN-245

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name** : Ethylenebis(oxyethylene)bis-(3-(5-tert-butyl-4-4  
Hydroxy-m-tolyl)-propionate  
**CAS number** : 36443-68-2  
**Company name** : UV Chem-Keys Co., Ltd  
Rm 503, 428 Dongfang Rd, Shanghai, P.R. China  
Zip Code: 200120  
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### 2. HEALTH HAZARDS DATA

**CAS Number** : 36443-68-2  
**Product Name** : Ethylenebis(oxyethylene)bis-(3-(5-tert-butyl-4-4  
Hydroxy-m-tolyl)-propionate

### 3. HAZARDS IDENTIFICATION

NOT KNOWN

### 4. FIRST AID MEASURES

If inhaled: Remove to fresh air and summon medical help if respiratory irritation develops or if breathing becomes difficult.  
On skin contact: Wipe away excess material with dry towel and then wash affected areas with plenty of water for several minutes. Get medical attention immediately if irritation occurs.  
On contact with eyes: Immediately wash affected eyes for several minutes under running water with eyelids held open. Get medical attention immediately if irritation occurs.  
If swallowed: Wash out mouth with water and then drink plenty of water, and summon physician. Do not give anything by mouth to an unconscious or convulsing person.

### 5. FIRE-FIGHTING MEASURES

Flash point: >150 °C  
Flammable limits: Not determined  
Decomposition temp.: >220 °C.  
NFPA code: None.  
Extinguishing media: Carbon dioxide, foam, dry chemical, water spray.  
Fire fighting procedures-special: Use self-contained breathing apparatus.



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### 6 ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment, including appropriate respiratory protection to ventilate contaminated area. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

### 7 HANDLING AND STORAGE

Handling precautions: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Avoid continuous or repetitive breathing of dust. For industrial use only.

Shipping and storing precautions: Keep container tightly closed when not in use and during transport.

Personal hygiene: Wash thoroughly after handling.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective equipment:

Eye protection : Safety goggle is recommended.

Skin protection : Glove and lab coat is recommended.

Respiratory protection : Suitable dust mask is recommended where dust arises from use.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odor : Odorless

Physical properties:

Boiling point : Not applicable

Melting point : 77-79 °C

Vapor pressure:  $4 \times 10^{-8}$  mmHg (at 20 °C)

Solubility: <1 ppm (at 20 °C)

Specific gravity: ca. 1.14 (H<sub>2</sub>O)

### 10 STABILITY AND REACTIVITY

Stability: Stable

Incompatibilities : Strong oxidizing agents and strong bases.

Hazardous decomposition products : Thermal decomposition and burning may produce carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.



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### 11 TOXICOLOGICAL INFORMATION

Acute effects

No identified health effects.

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye and skin irritation.

May be irritating to mucous membranes and upper respiratory tract.

### 12 DISPOSAL CONSIDERATIONS

Waste disposal method :

Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Follow all federal, state and local regulations.

### 13 ECOLOGICAL INFORMATION

LD<sub>50</sub> FISH : >100 mg/L

EC50 Beach Louse : >100 mg/L

IC50 Germ : > 100 mg/L

Biological decomposition : no biological decomposition, 2-10% decomposition after 28days.

### 14 TRANSPORT INFORMATION

DOT proper shipping name:

Not regulated as a hazardous material by the U.S. dept. of transportation (DOP) 49 CFR 172.101 HAZADOUS MATERIAL TABLE.

DOT class: None.

DOT number: None.

### 15. OTHER REGULATORY INFORMATION

NOES 1983: HZD X8996; NIS 99; TNF 6383; NOS 78;TNE 141410;TFE 34793

EPA TSCA section 8(b) chemical inventory

EPA TSCA test submission (TSCATS) data base, April 1996

RCRA status: Not a hazardous waste under RCRA (40 CFR 261).

CERCLA status: Not listed.

SARA/TITLE III - TOXIC CHEMICALS LIST:

This product does not contain a toxic chemical for routine annual toxic chemical release reporting under sec. 313 (40 CFR 372).

### 16. OTHER INFORMATION

Shelf life: 2 years minimum in sealed containers protected from light and air.

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Suggested uses: Antioxidant for polyolefins.

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