

Section 1: Identification

Product Name Polysorbate 60 NF
Commercial Name TWEEN 60
Product Use Manufacture of substances
Restrictions On Use Not available

Product Code 30-1359

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, Oral (Category 4)
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.
Response P301 P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P330 Rinse mouth.
Storage Not available.
Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Polysorbate 60
% By Weight 100
CAS# 9005-67-8
Molecular Weight 1131.70 g/mole
Chemical Formula C64H126O26
Synonym(s) Polyoxyethylene sorbitan monostearate, Polyethylene glycol sorbitan monostearate

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|----------------|-------------|--------------------|----------------|------------------|
| Polysorbate 60 | 9005-67-8 | 100 | Not available. | Not available. |

Section 4: First-Aid Measures

| | |
|------------------------------------|--|
| Inhalation | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| Skin Contact | Wash off with soap and plenty of water. |
| Eye Contact | Flush eyes with water as a precaution. |
| Ingestion | Never give anything by mouth to an unconscious person. Rinse mouth with water. |
| Symptoms/Effects | |
| Acute | Not available |
| Delayed | Not available |
| Immediate Medical Attention | |
| Not available. | |

Section 5: Fire-Fighting Measures

| | |
|---|---|
| Suitable Extinguishing Media | Use water spray, alcohol- resistant foam, dry chemical or carbon dioxide. |
| Unsuitable Extinguishing Media | Not available. |
| Products of Combustion | Hazardous decomposition products formed under fire conditions- Carbon oxides. |
| Firefighters Special Equipment and Precautions | Wear self contained breathing apparatus for fire fighting if necessary |

Section 6: Accidental Release Measures

Personal precautions: Avoid breathing vapors, mist or gas. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling: Normal measures for preventive fire protection. Conditions for safe storage: Keep container tightly closed in a dry and well - ventilated place.

Section 8: Exposure Controls/Personal Protection

| | |
|-----------------------------|--|
| Exposure Limits | Not available. |
| Engineering Controls | Not available. |
| Personal Protection | Respiratory protection: Respiratory protection not required. For nuisance exposures use type P95(US) or type P1(EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Hygiene measures: General industrial hygiene practice. |

Section 9: Physical and Chemical Properties

| | | | |
|---|-------------------------|--|--------------------|
| Appearance | Yellow to amber liquid. | | |
| Odor | Characteristic | | |
| Odor Threshold | Not available. | | |
| Melting Point | Not available. | pH | Not available. |
| Freezing Point | Not available. | Vapor Pressure | <1.0 (mm Hg @20°C) |
| Boiling Point/Range | >100C | Vapor Density | Not available. |
| Decomposition temperature | Not available. | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | Not available. | Evaporation Rate | Not available. |
| Flash Point | >200F (closed cup) | Autoignition temperature | Not available. |
| Flammability | Not available. | Flammability or Explosive Limits: | |
| | | Lower | Not available. |
| | | Upper | Not available. |
| Solubility(ies) | SOLUBLE in water. | | |
| Other | Not available. | | |

Section 10: Stability and Reactivity

| | |
|---|---|
| Reactivity | Not available |
| Chemical Stability | Stable under recommended storage conditions. |
| Hazardous Polymerization | Not available. |
| Conditions to Avoid | Not available. |
| Incompatible Materials | Strong oxidizing agents, Bases, heavy metal salts |
| Hazardous Decomposition Products | Formed under fire contions-Carbon oxides |

Section 11: Toxicological Information**RTECS** WG2934000**Acute Toxicity**

Acute toxicity Oral LD50 - LD50 Oral- rat- >62,640 mg /kg

Skin Corrosion/Irritation

No data available

Serious Eye Damage/Irritation

No data available

Respiratory or Skin Sensitization

No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

IARC, ACGIH, NTP or OSHA:No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen

Reproductive Toxicity

No data available

Routes of Entry

Not available.

Symptoms Related to Exposure

No data available

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: May cause eye irritation.

Target Organ(s) No data available

Section 12: Ecological Information**Ecotoxicity**

Toxicity to fish: LC50- *Oryzias latipes*- 240 mg /l- 48 h

Persistence and Degradability

No data available

Bioaccumulative Potential

No data available

Mobility in Soil

No data available

Other Adverse Effects

No data available

Section 13: Disposal Considerations**Waste Disposal**

Offer surplus and non - recyclable solutions to a licensed disposal company.

Disposal of Container

Dispose of as unused product

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

DOT (US): Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Section 15: Regulatory Information**Regulations**

OSHA Hazards No Known OSHA hazards. SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards No SARA Hazards Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Sorbitan, monoctadecanoate, poly(oxy -1,2- ethanediyl) CAS -No. 9005 -67 -8 New Jersey Right To Know Components Sorbitan, monoctadecanoate, poly(oxy -1,2- ethanediyl) CAS -No. 9005 -67 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other

Not available.

Section 16: Other Information

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