

Section 1. Product and Company Identification

**Product Name** Ethyl 3-Ethoxypropionate  
**CAS Number** 763-69-9

**Parchem - fine & specialty chemicals**  
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**New Rochelle, NY 10801**  
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CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]: Flammable liquids (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC: May form explosive peroxides. Harmful to aquatic organisms.

**GHS Label Elements**

**Pictograms:**



**Signal word:** Warning

**Hazard and precautionary statements**

Hazard Statement(s): H226 Flammable liquid and vapor.

Precautionary Statement(s): None

Supplemental Hazard Statements: None

According to European Directive 67/548/EEC as amended.

Hazard Symbol(s): None

R-Phrase(s): R19 May form explosive peroxides.

R52 Harmful to aquatic organisms.

S-Phrase(s): S16 Keep away from sources of ignition - No smoking.



**Classification of the Substance or Mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]:** Flammable liquids (Category 3)

**Classification according to EU Directives 67/548/EEC or 1999/45/EC:** May form explosive peroxides. Harmful to aquatic organisms.

**Label Elements**

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

**Other Hazards:** May form explosive peroxides.

Section 3. Composition / Information on Ingredients

**Common Name** Ethyl 3-Ethoxypropionate  
**Synonym(s)** EEP  
**Formula**  $C_7H_{14}O_3$   
**CAS Number** 763-69-9

COMPONENT	CAS NUMBER	CONCENTRATION
Ethyl 3-Ethoxypropionate	763-69-9	100%

Section 4. First Aid Measures

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If Inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If Swallowed:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important Symptoms and Effects, both Acute and Delayed:** Nausea, Headache, Vomiting, Central nervous system depression, Dizziness

**Indication of any Immediate Medical Attention and Special Treatment Needed:** No data available

Section 5. Firefighting Measures

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special Hazards arising from the Substance or Mixture:** No data available

**Advice for Firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further Information:** Use water spray to cool unopened containers.



#### Section 6. Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and Materials for Containment and Cleaning Up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal.

#### Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

**Conditions for Safe Storage, including any Incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Section 8. Exposure Controls / Personal Protection

##### Exposure Controls

**Appropriate Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal Protective Equipment

**Eye/Face Protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection:** Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

**Appearance:** Clear  
**Odor:** No data available  
**Odor Threshold:** No data available  
**pH:** No data available  
**Melting Point/Freezing Point:** < -50°C  
**Initial Boiling Point and Boiling Range:** 166°C - lit.  
**Flash Point:** 59°C  
**Evaporation Rate:** No data available  
**Flammability (Solid, Gas):** No data available  
**Lower Explosion Limit:** 1.0% (V)  
**Vapor Pressure:** 2.0 hPa at 25°C  
**Vapor Density:** 5.03  
**Relative Density:** 0.95 g/mL at 25°C  
**Water Solubility:** 25 g/L  
**Partition Coefficient: n-Octanol/Water:** log Pow: 1.35  
**Autoignition Temperature:** 377°C  
**Decomposition Temperature:** No data available  
**Viscosity:** No data available  
**Explosive Properties:** No data available  
**Oxidizing Properties:** No data available  
**Other Safety Information:** No data available

Section 10. Stability and Reactivity

**Reactivity:** No data available  
**Chemical Stability:** No data available  
Contains the following stabilizer(s): formaldehyde ( $\leq 0.03\%$ )  
bht ( $\leq 0.01\%$ )  
**Possibility of Hazardous Reactions:** No data available  
**Conditions to Avoid:** Heat, flames and sparks.  
**Incompatible Materials:** Strong oxidizing agents, Strong bases  
**Hazardous Decomposition Products:** No data available

Section 11. Toxicological Information

**Acute Toxicity**

LD50 Oral - rat - 5.000 mg/kg  
LC50 Inhalation - rat - 6 h - > 1000 ppm  
LD50 Dermal - rabbit - 9.500 mg/kg

**Skin Corrosion/Irritation:** Skin - rabbit - mild skin irritation - 24 h

**Serious Eye Damage/Eye Irritation:** Eyes - rabbit - mild eye irritation - 24 h



**Respiratory or Skin Sensitization:** No data available

**Germ Cell Mutagenicity:** No data available

#### **Carcinogenicity**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Reproductive Toxicity**

**Specific Target Organ Toxicity - Single Exposure:** No data available

**Specific Target Organ Toxicity - Repeated Exposure:** No data available

**Aspiration Hazard:** 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:** Causes eye irritation.

**Signs and Symptoms of Exposure:** Nausea, Headache, Vomiting, Central nervous system depression, Dizziness

**Additional Information:** RTECS: UF3325000

### Section 12. Ecological Information

#### **Toxicity**

**Toxicity to Fish:** LC50 - Pimephales promelas (fathead minnow) - 50 mg/L - 96 h

**Toxicity to Daphnia and other Aquatic Invertebrates:** EC50 - Daphnia magna (Water flea) - > 480 mg/L - 48 h

**Toxicity to Algae:** EC50 - Algae - > 115 mg/L - 72 h

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Results of PBT and vPvB Assessment:** No data available

**Other Adverse Effects:** Harmful to aquatic life.

### Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**UN Number**

**ADR/RID:** 3272

**IMDG:** 3272

**IATA:** 3272

**UN Proper Shipping Name**

**ADR/RID:** ESTERS, N.O.S. (Ethyl 3-ethoxypropionate)

**IMDG:** ESTERS, N.O.S. (Ethyl 3-ethoxypropionate)

**IATA:** Esters, n.o.s. (Ethyl 3-ethoxypropionate)

**Transport Hazard Class(es)**

**ADR/RID:** 3

**IMDG:** 3

**IATA:** 3

**Packaging Group**

**ADR/RID:** III

**IMDG:** III

**IATA:** III

**Environmental Hazards**

**ADR/RID:** No

**IMDG Marine Pollutant:** No

**IATA:** No

**Special Precautions for User:** No data available

Section 15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, Health, and Environmental Regulations/Legislation specific for the**

**Substance or Mixture:** No data available

**Chemical Safety Assessment:** No data available

**Other Information**

**Text of H-Code(s) and R-Phrase(s)**

Flam. Liq. Flammable liquids

H226 Flammable liquid and vapor.

R19 May form explosive peroxides.

R52 Harmful to aquatic organisms.



Section 16. Other Information

**Disclaimer:** 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.

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