



**Qingdao United International Co., Ltd.**

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## Material Safety Data Sheet

### ETHYL DECANOATE

Qingdao United International Co., Ltd. asks to its customers receiving this material safety data sheet to study it carefully in order to know the dangers presented by the product and to inform its employees, agents, and sub-contractors. The end user is responsible for the handling and the storage of the product to refer to legislative, regular and administrative up to date texts, concerning the protection of the workers and the population and the environmental. This information is based on our current level of knowledge given by our own suppliers.

Date/revised: Sep. 20, 2011	Date issued: Dec. 04, 2008
Product: Ethyl decanoate	

#### 1. Substance/preparation and company name

**Company:**

Qingdao United International Co., Ltd.  
18/F, Huaren International Building, 2A Shandong Road, Qingdao, China - 266071

#### 2. Composition/information on ingredients

**Chemical name:** Ethyl decanoate

**CAS No.:** 110-38-3

**FEMA No.:** 2432

**FDA No.:** N/A

**CE No.:** N/A

**EINECS No.:** 203-761-9

#### 3. Physical and chemical properties

**Appearance:** Clear colorless liquid

**Odor:** No data available

**Formula:** C<sub>12</sub>H<sub>24</sub>O<sub>2</sub>

**Melting point:** No data available

**Density:** 0.862 g/ml at 25 °C

**Boiling point:** 245°C

**Molecular weight:** 200.32

**Assay:** 98.0%.

#### 4. Hazards identification

**Eyes:** May cause eye irritation.

**Skin:** May be harmful if absorbed through the skin, Causes skin irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

## 5. First aid measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid.

Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

## 6. Fire fighting and measures

**Flash point:** 102°C.

**Ignition temperature:** No data available.

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible liquid.

Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated. Run off from fire control or dilution water may cause pollution.

**Extinguishing media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Use agent most appropriate to extinguish fire.

## 7. Accidental release measures

**General information:** Use proper personal protective equipment as indicated in Section 9.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

Clean up spills immediately, observing precautions in the Protective Equipment section.

Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

## 8. Handling and storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose

empty containers to heat, sparks or open flames.

**Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 9. Exposure controls and personal protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## 10. Stability and reactivity

**Chemical stability:** Stable under recommended storage conditions.

**Incompatibilities:** Acids, Bases, Oxidizing agents, Reducing agents.

**Conditions to avoid:** No data available.

**Hazardous decomposition products:** Carbon oxides.

**Hazardous polymerization:** Has not been reported.

## 11. Toxicological information

N/A

## 12. Ecological information

N/A

## 13. Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## 14. Transport information

**ADR/RID:** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

**Emergency Tel:** +86-532-86069596; 83891505~9

<b>16. Other information</b>
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**Shelf life:** 12 months minimum in sealed containers protected from light and air

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.