

**United International Inc.**

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**Material Safety Data Sheet****2-ACETYL THIAZOLE**

United International Inc. 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: Jul. 06, 2011	Date issued: Dec. 04, 2008
Product: 2-Acetyl thiazole	

**1. Substance/preparation and company name****Company:**

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

**2. Composition/information on ingredients**

**Chemical name:** 2-Acetyl thiazole

**CAS No.:** 24295-03-2

**FEMA No.:** 3328

**FDA No.:** N/A

**CE No.:** N/A

**EINECS No.:** 246-134-5

**3. Physical and chemical properties**

**Appearance:** Colorless to yellow liquid

**Odor:** Popcorn

**Formula:** C<sub>5</sub>H<sub>5</sub>NOS

**Boiling point:** 89-91 °C/12 mmHg(lit.)

**Melting point:** 65.5°C

**Density:** 1.2280-1.2320

**Molecular weight:** 127.16

**Assay:** 99% min.

**4. Hazards identification**

**Eyes:** Non-irritating to the eyes.

**Skin:** Non-irritating to the skin.

**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation. The toxicological properties of this substance have not been fully investigated.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

## 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 soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

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

**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

## 6. Fire fighting and measures

**Flash point:** 78°C

**Flammable limits:** N/A

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

Combustible liquid and vapor.

**Extinguishing media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

## 7. Accidental release measures

**Spills/Leaks:** Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Clean up spills immediately, using the appropriate protective equipment.

## 8. Handling and storage

**Handling:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

**Storage:** Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

## 9. Exposure controls and personal protection

**Engineering Controls:** Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

**Eyes:** Wear chemical splash goggles.

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

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**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 normal temperatures and pressures.

**Incompatibilities:** Strong oxidizing agents, strong bases.

**Conditions to avoid:** Incompatible materials, ignition sources, excess heat, strong oxidants.

**Decomposition:** Carbon monoxide, oxides of nitrogen, oxides of sulfur, carbon dioxide.

## 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**

**UN number:** 3334

**Hazard class:** 9

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

**15. Regulatory information**

N/A

**16. Other information**

**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.