Material Safety Data Sheet 2,2’-Dipyridyl

Section 1 - Chemical Product and Company Identification

MSDS Name: 2,2’-Dipyridyl
Catalog Numbers: YZ366-18-7
Synonyms: alpha,alpha’-Dipyridyl; 2,2’-Bipyridine
Company Identification: Shanghai Yongzeng Chemical Co., Ltd
Company Identification: (China) 679345055
For information in China, call: +86 21 6528 1118
Emergency Number, China: +86 13916182801

Section 2 - Composition, Information on Ingredients

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Hazard Symbols: T

Risk Phrases: 20/21 25 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Harmful by inhalation and in contact with skin. Toxic if swallowed. Irritating to eyes, respiratory system and skin.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. Poison by ingestion.
Inhalation: Harmful if inhaled. Causes respiratory tract irritation.

Chronic:

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid immediately. Wash mouth out with water.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures
General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Use only in a well-ventilated area. Minimize dust generation and accumulation. Do not breath dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.
Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment
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.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder
Color: white - almost white
Odor: Not available
pH: 7.5 (5 g/L aq. solution)
Vapor Pressure: Not available
Viscosity: 1.51 cst @90 deg C
Boiling Point: 272 - 273 deg C @760mmHg
Freezing/Melting Point: 69 - 72 deg C
Autoignition Temperature: Not available
Flash Point: 121 deg C (249.80 deg F)
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: Slightly soluble
Specific Gravity/Density:
Molecular Formula: C10H8N2
Molecular Weight: 156.19

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: High temperatures, incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 366-18-7: DW1750000
LD50/LC50: RTECS:
CAS# 366-18-7: Oral, mouse: LD50 = 330 mg/kg;
Oral, rat: LD50 = 100 mg/kg;
Carcinogenicity: 2,2'-Dipyridyl - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity: Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

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Section 15 - Regulatory Information

US Federal
TSCA
CAS# 366-18-7 is listed on the TSCA Inventory.

**Section 16 - Other Information**

MSDS Creation Date: 7/19/2008
Revision #2 Date 3/17/2006

Revisions were made in Sections: 14
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