


Section 1. Product and Company Identification

Product Name 2-Amino-5-Methylthiazole
CAS Number 7305-71-7

Parchem - fine & specialty chemicals

415 Huguenot Street

New Rochelle, NY 10801

 **(914) 654-6800**  **(914) 654-6899**

 **parchem.com**  **info@parchem.com**

EMERGENCY RESPONSE NUMBER

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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification

Acute toxicity - Oral Category 4

Specific target organ toxicity (repeated exposure) - Category 2

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

Harmful if swallowed

May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

Response

Get medical advice/attention if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC): Not applicable

Section 3. Composition / Information on Ingredients

Common Name 2-Amino-5-Methylthiazole
Formula $C_4H_6N_2S$
CAS Number 7305-71-7

COMPONENT	CAS NUMBER	CONCENTRATION
2-Amino-5-Methylthiazole	7305-71-7	> 98%

Section 4. First Aid Measures

First Aid Measures

General advice: If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.

Inhalation: Remove to fresh air. Call a physician if breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Ingestion: Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first-aider: Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None.

Specific hazards arising from the chemical: No information available.

Hazardous combustion products: Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: No information available.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Store at room temperature.

Incompatible materials: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls: Showers; Eyewash stations; Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Tight sealing safety goggles. Face protection shield.

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

Section 9. Physical and Chemical Properties

Physical State: Solid

Appearance: Powder

Odor: No information available

pH: No information available

Melting/Freezing Point: 93°C

Boiling Point: 232.5°C

Flash Point: 147°C

Density: 1.3 g/cm³

Evaporation Rate: No information available

Upper Flammability Limits: No information available

Lower Flammability Limits: No information available

Vapor Pressure: No information available

Vapor Density: No information available

Specific Gravity: No information available

Water Solubility: No information available

Solubility in other solvents: No information available

Partition Coefficient: 1.37
Autoignition temperature: 510°C
Decomposition temperature: No information available
Kinematic Viscosity: No information available
Explosive Properties: No information available
Oxidizing properties: No information available

Section 10. Stability and Reactivity

Reactivity: Not applicable
Chemical stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: None under normal processing.
Hazardous polymerization: No information available.
Conditions to avoid: Extremes of temperature and direct sunlight.
Incompatible materials: Strong oxidizing agents.
Hazardous Decomposition Products: Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NO_x).

Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation: No data available
Eye contact: No data available.
Skin Contact: No data available.
Ingestion: No data available.

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity: Avoid repeated exposure.

Numerical measures of toxicity - Product Information

Unknown acute toxicity: No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 500 mg/kg

ATEmix (dermal): 2500 mg/kg

Section 12. Ecological Information

Ecotoxicity: May cause long lasting harmful effects to aquatic life
0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

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

DOT

UN/ID no: UN3077

Hazard Class: 9

Packing Group: III

Proper shipping name: Environmentally hazardous substance, solid, N.O.S.

Description: UN3077, Environmentally hazardous substance, solid, N.O.S. (2-Amino-5-methylthiazole), 9, III

Emergency Response Guide: Number 171

IMDG

UN/ID no: UN3077

Hazard Class: 9

Packing Group: III

Proper shipping name: Environmentally hazardous substance, solid, N.O.S.

Description: UN3077, Environmentally hazardous substance, solid, N.O.S. (2-Amino-5-methylthiazole), 9, III

Special Provisions: 274, 335, 966, 967

EmS-No: F-A, S-F

IATA

UN/ID no: UN3077

Hazard Class: 9

Packing Group: III

Proper shipping name: Environmentally hazardous substance, solid, N.O.S.

Description: UN3077, Environmentally hazardous substance, solid, N.O.S. (2-Amino-5-methylthiazole), 9, III

Section 15. Regulatory Information

International Inventories

All of the components in the product are on the following Inventory lists

Europe (EINECS/ELINCS/NLP)



Chemical Name: 2-Amino-5-methylthiazole

TSCA: -

DSL: -

NDSL: -

EINECS: -

ELINCS: Listed

ENCS: -

IECSC: -

KECL: -

PICCS: -

AICS: -

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard: Yes

Chronic Health Hazard: Yes

Fire hazard: No

Sudden release of pressure hazard: No

Reactive hazard: No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: This product does not contain any substances regulated by state right-to-know regulations



HMIS Rating

Health: 2

Flammability: 1

Reactivity: 1

NFPA Rating

Health: 0

Flammability: 1

Reactivity: 0

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.

REVISION DATE: 2/2/2018

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