



Research Products International Corp.

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL IDENTIFICATION

PRODUCT NAME: 5-AMINOLEVULINIC ACID
COMMON NAME: 5-AMINOLEVULINIC ACID
RPI CATALOG #: A11250
SUPPLIER'S NAME: Research Products International Corp.
SUPPLIERS ADDRESS: 410 N Business Center Drive
Mount Prospect, IL 60056
EMERGENCY CONTACT: 1-800-424-9300
OTHER INFORMATION: 847-635-7330

SECTION 2 – COMPOSITION / NFORMATION ON INGREDIENTS

CAS #: 5451-09-2
Molecular Formula: $C_5H_9NO_3$
EINECES NO: 226-679-5

SYNONYMS: 5-AMINOLEVULINATE HYDROCHLORIDE * DELTA-AMINOLEVULINIC ACID HYDROCHLORIDE *

SECTION 3 - HAZARDS IDENTIFICATION

Label precautionary statements: Irritant. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.
Target organ(s): Liver, Kidney

SECTION 4 - FIRST-AID MEASURES

If swallowed, wash out mouth with water provided person is conscious. Call a physician. If inhaled, remove to fresh air. If breathing becomes difficult, Call a physician. In case of contact, immediately wash skin with soap and copious amounts of water. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosions hazards: Emits toxic fumes under fire conditions.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING AND STORAGE

Refer to section 8.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Safety shower and eye bath. Mechanical exhaust required. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. NIOSH/MSHA-approved respirator. Compatible chemical-resistant gloves. Chemical safety goggles. Keep tightly closed. Store in a cool dry place. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Solid.

Physical properties

Melting point: 156°C

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable. Incompatibilities: Strong oxidizing agents.

Hazardous combustion or decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas:

Hazardous polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute effects: May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation. May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if swallowed. Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. RTECS #: OI1640000. See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

SECTION 14 - TRANSPORT INFORMATION

Non regulated.

SECTION 15 - REGULATORY INFORMATION

European information: Irritant. R 36/37/38, Irritating to eyes, respiratory system and skin. S 26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36, Wear suitable protective clothing. ACGIH TLV-TWA: 750 PPM (1780 MG/M3); STEL 1000 PPM (2380 MG/M3). OSHA PEL: 8H TWA 750 PPM (1800 MG/M3); STEL 1000 PPM (2400 MG/M3). REVIEWS, STANDARDS, AND REGULATIONS. OEL=MAK. EPA GENETOX PROGRAM 1988, NEGATIVE: RODENT DOMINANT LETHAL.

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Research Products International Corp. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.