

Material Safety Data Sheet

Section 1 – Product and company Information

Product Name : METHYL-3-AMINO CROTONATE
Company Name : ASCENT PHARMA
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Nr. Chintan Gas Godown,
Veraval (Shapar), Dist: Rajkot (Guj.), India
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E-mail Address : ascentpharma@yahoo.co.in

Section 2 – Product Information

Substance Name : METHYL-3-AMINO CROTONATE
CAS No. : 14205-39-1
EINECS : 238-056-5
Synonyms : Methyl 3-Aminobut-2-Enoate Crotonic Acid, Beta-Amino-,
Methyl Ester Methyl 3-Iminobutanoate 2-Butenoic Acid, 3-
Amino-, Methyl Ester Methyl-3-Amino Crotonate, Methylβ-
Aminobutenate, Methoxamine, Methyl 3-Aminocrotonate

Section 3 – Physical and Chemical Properties

Physical State : Solid
Colour : Pale cream to cream-coloured crystal
Molecular Formula : C₅H₉NO₂
Molecular weight : 115.13
Melting Point : 81 °C to 83°C
Solubility : Freely soluble in Methanol and Ethanol
Odour : Odour less
Boiling Point : 112 °C 42mm, 194.1 °C at 760mmHg
Flash Point : Not Available

Solubility in water	: Insoluble
Auto ignition Temperature	: Not Available
Decomposition Temp.	: Not Available
Density	: 1.03 gm/cm ³

Section 4 – Hazards Identification

Eye	: Causes eye irritation
Skin	: Causes skin irritation. Harmful if absorbed through the skin
Ingestion	: May cause irritation of the digestive tract. Harmful if swallowed.
Inhalation	: May be harmful if inhaled. Causes respiratory tract irritation.
NFPA RATING	: Health : 2 Flammability : 1 Reactivity: 0

Section 5 – First Aid Measures

Eye	: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persist.
Ingestion	: Get medical aid immediately. Wash mouth out with water.
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.

Section 6 – Stability and Reactivity

Chemical Stability	: Stable under normal temperatures and pressures
Materials to Avoid	: Strong oxidizing agents
Condition to Avoid	: Incompatible materials
Hazardous Decomposition Products	: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride.
Hazardous Polymerization	: Has not been reported.

Section 7 – Handling and Storage

Handling	: Avoid breathing dust, vapour, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling.
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Mechanical exhaust required.

Storage : Store in a cool, dry place. Store in a tightly closed container

Section 8 – Personal Protection

Precaution : Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation dust. Wear appropriate protective gloves to prevent skin exposure.

Method of Cleaning up : Sweep up, place in a bag and hold for waste disposal raising dust. Ventilate area and wash spill site after pickup is complete.

Section 9 – Fire and Explosion Hazard Data

General Information : As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

Extinguishing Media : Use water spray, dry chemical, carbon dioxide or appropriate foam.

Section 10 – 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.

Section 11 – Toxicological Information

Skin contact : May cause skin irritation

Skin absorption : May be harmful if absorbed through skin

Eye contact : May cause eye irritation

Inhalation : May be harmful if inhaled. Material may be irritating to mucous membrane and upper respiratory tract.

Sign & symptom of exposure : Exposure can cause headache, diarrhoea, dizziness, constipation, abdominal discomfort, acne, itching, rash, and tinnitus. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Toxicology Data : Oral rat LD₅₀ : 1760 mg/kg

Section 12 – Ecological Information

Not Available

Section 13 – Disposal Consideration

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 state, and local environmental regulations.

Section 14 – Transport Information

DOT - Transport : This substance is considered to be non-hazardous for transport

IATA – Air Transport : Non-hazardous for air transport

Section 15 – Regulatory Information

International Regulations

Hazard symbols : Xn

Indication of Danger : Harmful, Dangerous for the environment

Risk Phrases : R22 Harmful if swallowed, R36/37/38 Irritating to eye, Irritating respiratory system, Irritating to skin.

Safety Phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of soapsuds. Avoid contact and inhalation. Wear suitable gloves. Wear eye/face protection.

Section 16 – Additional Information

DISCLAIMER:

For API Manufacturing use only. Not household or other uses

WARRANTY:

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 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. Shall not be held liable for any damage resulting from handling or from contact with the above product.