

Section 1. Product and Company Identification

Product Name 3-Methoxypropylamine
CAS Number 5332-73-0

Parchem - fine & specialty chemicals

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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

GHS Classification

Flammable Liquids: (Category 3)

Acute Toxicity, Oral: (Category 4)

Skin Corrosion/Toxicity: (Category 1A, B, C)

Serious Eye Damage and Irritation: (Category 1)

Skin Sensitization: (Category 1)

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements

H226: Flammable liquid and vapor

H302: Harmful if swallowed.

H314: Causes severe skin burns and serious eye damage.

H317: May cause allergic skin reaction.

H402: Harmful to aquatic life.

Safety Precautions

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking

P233: Keep container tightly closed

P241: Use explosion-proof electrical/ventilating/lighting equipment



- P242:** Use only non-sparking tools
P243: Take precautionary measures against static discharge

Response

- P301 + P312 + P330: IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse the mouth
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303 + P361 +P353: IF ON SKIN or hair: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304 + P340 + P310: IF INHALED: Remove person to fresh air and keep in position comfortable for breathing. Immediately call a poison center or doctor/physician.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
P333 + P313: IF skin irritation or rash occurs: Get medical advice/attention.
P403 + P235 + P405: Store in a well-ventilated place. Keep cool. STORE LOCKED UP.

Disposal

- P501:** Dispose of contents/container in accordance with local/state/federal regulations.

General Information: Causes eye and skin burns. Causes digestive and respiratory tract burns. Flammable liquid and vapor. Air sensitive. Hygroscopic (absorbs moisture from the air).

Appearance: clear, colorless liquid.

Flash Point: 32 deg C.

Target Organs: Eyes, skin, mucous membranes.

Potential Health Effects

Eye: Causes eye burns. May cause blindness.

Skin: Causes skin burns. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin.

Ingestion: May cause severe and permanent damage to digestive tract.

Inhalation: Causes chemical burns to the respiratory tract. Inhalation may cause severe irritation to the respiratory tract with sore throat, coughing, labored breathing and possible pulmonary edema.

Chronic: No information found.

Section 3. Composition / Information on Ingredients

Common Name	3-Methoxypropylamine
Synonym(s)	3-Methoxy-1-aminopropane; 3-Methoxypropyl-1-amine; 1-Amino-3-methoxypropane; 3-Aminopropyl methyl ether; MOPA.
Formula	C ₄ H ₁₁ NO
CAS Number	5332-73-0

COMPONENT	CAS NUMBER	CONCENTRATION
3-Methoxypropylamine	5332-73-0	> 99.5%



Section 4. First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eyes: In case of contact, immediately flush eyes for at least 15 minutes. Get medical aid immediately.

Skin: in case of contact, remove contaminated clothing and shoes. Wash contaminated skin with plenty of running water and soap for at least 15 minutes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If, swallowed, do NOT induce vomiting. Get medical aid immediately. If the victim is conscious, give a cupful of water to drink. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Note to Physician: Treat symptomatically and supportively.

Section 5. Firefighting Measures

Flash Point (°C): 32 °C (89.60 °F)

Flammable Limits

Upper explosion limit: N/A

Lower explosion limit: N/A

Auto ignition Temp.: 320 deg C (608.00 deg F)

Flammable Class: Not available.

General Hazard: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Flammable liquid and vapor. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Extinguishing Media: For small fires, use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. For large fires, use water spray, fog, or alcohol-resistant foam. Water may be ineffective. Do NOT use straight streams of water.

Section 6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Approach spill from upwind.



Section 7. Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Discard contaminated shoes. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Do not breathe vapor or mist.

Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Store protected from moisture. Store in air tight containers. Should not be exposed to temperatures above 122 degrees.

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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

ACGIH: None listed

NIOSH: None listed

OSHA-FINAL PELs: None listed

OSHA Vacated PELs: 3-Methoxypropylamine: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear chemical splash goggles and face shield.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Work Hygienic Practices: Facilities storing or using this material should be equipped with emergency eyewash, and a safety shower. Good personal hygiene practices should always be followed.

Control of Environmental

Exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9. Physical and Chemical Properties

Appearance: Liquid

Odor: Amine-like, ammonia-like, strong odor, malodorous



Odor threshold: Not available
Color: Clear, Colorless
pH: 11.4-11.9
Melting Point: Not available
Freezing Point: -65 deg C
Boiling Point: 118°C @ 760 mm Hg
Flash Point: Not available
Viscosity @ 20 °C: 0.8 mPa
Decomposition Temp.: Not available
Evaporation Rate: Not available
Lower Explosive Limit: 1.4% (V)
Upper Explosive Limit: 11.7% (V)
Vapor Pressure: 21.7 mmHg @ 25°C
Vapor Density: 3.07 (Air = 1.0)
Solubility: Soluble
Molecular Weight: 89.12

Section 10. Stability and Reactivity

Stability: Stable under normal temperatures and pressures. Amines absorb carbon dioxide from the air to form carbamate salts.

Conditions to Avoid: Ignition sources, moisture, excess heat, prolonged exposure to air, mixing with incompatibles.

Incompatible Materials: Strong oxidizing agents, Strong acids, aldehydes. Copper, Zinc, and Iron. Do not store near acids.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.

Possibility of Hazardous Reactions: No data available

Section 11. Toxicological Information

CAS# 5332-73-0: UI3335000

LD50/LC50: Not available. Weak allergic skin reactions were observed in guinea pigs following repeated exposure. (Atofina)

Carcinogenicity: CAS# 5332-73-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Mutagenicity: No information available.

Neurotoxicity: No information available.

Section 12. Ecological Information

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

US DOT

UN No.: 2734

Proper Shipping Name: 3-Methoxypropylamine

UN Class: 8 (3)

Packing Group: I

Labels: Corrosive Sticker, Flammable Sticker, N.O.S.

CANADA TDG

UN No.: 2734

Proper Shipping Name: 3-Methoxypropylamine

UN Class: 8 (3)

Packing Group: I

Labels: Corrosive Sticker, Flammable Sticker, NOS(3 METHOXYPROPYLA-MINE)

Section 15. Regulatory Information

U.S. Federal Regulations

TSCA: CAS# 5332-73-0 is listed on the TSCA inventory.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA Codes: CAS # 5332-73-0: immediate, fire.

Section 313: No chemicals are reportable under Section 313.

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE: CAS# 5332-73-0 can be found on the following state right to know lists: Pennsylvania,



Minnesota, Massachusetts.

California Prop 65: No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases: R 10 Flammable. R 34 Causes burns.

Safety Phrases: S 16 Keep away from sources of ignition - No smoking. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 33 Take precautionary measures against static discharges. S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S 9 Keep container in a well-ventilated place.

WGK (Water Danger/Protection): CAS# 5332-73-0: 1

Canada - DSL/NDL: CAS# 5332-73-0 is listed on Canada's DSL List.

Canada - WHMIS: This product has a WHMIS classification of E, B2.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. Canadian Ingredient Disclosure List

HMIS

Health: 3

Flammability: 3

Physical Hazard: 0

Personal Protection: C

NFPA

Health: 3

Flammability: 3

Physical Hazard: 0

Personal Protection: C

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: 1/18/2018