



Specialized in chemicals

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Material Safety Data Sheet

N-Methylacetamide

Section 1: Chemical Product and Company Identification

Product Name N-Methylacetamide

Cat No. : AC126140000; AC126140010; AC126140050; AC126141000; AC126145000

Synonyms Methylacetamide.; Monomethylacetamide

Recommended Use Laboratory chemicals.

Uses advised against No Information available

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Section 2: Composition and Information on Ingredients

Component	CAS-No	Weight %
N-Methylacetamide	79-16-3	> 99

Section 3: Hazards Identification

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

Signal Word Danger

Hazard Statements May damage the unborn child

Precautionary Statements

Prevention Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Section 4: First Aid Measures

Eye Contact Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required.

Inhalation Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is required.

Ingestion Call a physician immediately. Clean mouth with water.

Most important symptoms/effects No information available. Notes to Physician Treat symptomatically

Section 5: Fire and Explosion Data

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Dry chemical. chemical foam.

Unsuitable Extinguishing Media No information available

Flash Point 116 ° C / 240.8 ° F Method - No information available

Autoignition Temperature 490 ° C / 914 ° F

Explosion Limits

Upper 18.10%

Lower 3.20%

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products Nitrogen oxides (NO_x) Carbon monoxide (CO) Carbon dioxide (CO₂)

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

Ensure adequate ventilation. Use personal protective equipment. Environmental Precautions See Section 12 for additional ecological information.

Methods for Containment and Clean Up Sweep up or vacuum up spillage and collect in suitable container for disposal.

Section 7: Handling and Storage

Handling:

Do not breathe dust.

Do not breathe vapors or spray mist.

Do not get in eyes, on skin, or on clothing.

Use only in area provided with appropriate exhaust ventilation.

Storage:

Keep in a dry, cool and well-ventilated place.

Keep container tightly closed.

Keep under nitrogen

Section 8: Exposure Controls/Personal Protection

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

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection 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.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and Chemical Properties

Physical State Solid
Appearance Clear
Odor Odorless
Odor Threshold No information available
pH No information available
Melting Point/Range 26 - 28 ° C / 78.8 - 82.4 ° F
Boiling Point/Range 204 - 206 ° C / 399.2 - 402.8 ° F @ 760 mmHg
Flash Point 116 ° C / 240.8 ° F
Evaporation Rate No information available Flammability (solid,gas)
No information available Flammability or explosive limits
Upper 18.10%
Lower 3.20%
Vapor Pressure 2 hPa @ 20 ° C
Vapor Density No information available
Relative Density 0.946
Solubility No information available
Partition coefficient; n-octanol/water No data available
Autoignition Temperature 490 ° C / 914 ° F
Decomposition Temperature No information available
Viscosity 4.05 mPa s at 30 ° C
Molecular Formula C₃ H₇ N O
Molecular Weight 73.1

Section 10: Stability and Reactivity Data

【Disposal Code】

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【Stability】

Stable under normal temperatures and pressures.

【Incompatibilities】

Strong oxidizing agents.

【Decomposition】

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

Section 11: Toxicological Information

Acute Toxicity

Product Information No acute toxicity information is available for this product

Component Information	Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	N-Methylacetamide
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5 g/kg (Rat) Not listed Not listed Toxicologically Synergistic Products No information available
Mutagenic Effects No information available
Reproductive Effects No information available.
Developmental Effects No information available
Teratogenicity No information available.

Section 12: Ecological Information

Not available.

Section 13: Disposal Considerations

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

Section 14: Transport Information

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

Section 15: Other Regulatory Information

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

State Right-to-Know Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N DOT

Marine Pollutant N DOT

Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR WHMIS Hazard Class D2A Very toxic materials

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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