





**SAFETY DATA SHEET**

SDS REVISIONS: ALL SECTIONS DATE OF ISSUE: 11/06/2019

**MCP AMINE 4**  
SUPERSEDES: 09/30/2013

**Precautionary Statements - Prevention**

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P281 - Use personal protective equipment as required
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P271 - Use only outdoors or in a well-ventilated area
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor/physician
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell
- P330 - Rinse mouth
- P331 - Do NOT induce vomiting
- P363 - Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

- P405 - Store locked up

**Precautionary Statements - Disposal**

- P501 - Dispose of contents/ container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**  
Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixture**

Chemical Name	CAS No	Weight-%	GHS Classification	Trade Secret
MCPA (TECHNICAL ACID) (96.6 %AI)	94-74-6	30 - 60	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	*
DIMETHYLAMINE, ANHYDROUS	124-40-3	10 - 30	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Flam. Gas 1 (H220) Press. Gas	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.  
OSHA Hazard Communication 29 CFR 1910.1200



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### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	Get medical attention if symptoms occur.
<b>Eye contact</b>	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Remove to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
<b>Ingestion</b>	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically. Symptoms may be delayed. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call 1-866-944-8565 for emergency medical treatment information.

**Note to physicians** No specific antidote. Treat symptomatically.

**Antidotes** No data available

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire, Use CO<sub>2</sub>, dry chemical, or foam

#### Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

#### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

#### Environmental precautions

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. 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** Soak up with inert absorbent material. Clean contaminated surface thoroughly. Dike far ahead of liquid spill for later disposal. Take up mechanically, placing in appropriate containers for disposal. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

#### 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 dry, cool and well-ventilated place. Keep in properly labeled containers.

**Incompatible materials** Incompatible with strong acids and bases. Incompatible with oxidizing agents.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### Exposure Guidelines

#### 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 impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### Respiratory protection

Dependent on job function. If vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved air-purifying respirator with any cartridges/filters approved for pesticides. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection Standard. Wear a supplied air respirator if exposure concentrations are unknown.

#### General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Dark liquid
Color	Brown to dark brown
Odor	Fishy ammonia
Odor threshold	No data available

<u>Property</u>	<u>Values (Remarks - Method)</u>
pH	8 - 9
Melting point / freezing point	No data available
Boiling point	No data available
Flash point	> 93 °C / > 200 °F
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit in Air	
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

#### Other Information

VOC Content (%)	44%
Density	9.33lbs/gal

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.



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### 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

Exposure to air or moisture over prolonged periods.

#### Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

#### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.



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**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity of the formulated product:**

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
MCPA (TECHNICAL ACID) (96.6 %Al)	= 700 mg/kg ( Rat ) = 2800 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit ) > 2 g/kg ( Rabbit )	= 1.37 mg/L ( Rat ) 4 h = 1370 mg/m <sup>3</sup> ( Rat ) 4 h
DIMETHYLAMINE, ANHYDROUS	= 698 mg/kg ( Rat )	= 3900 mg/kg ( Rat )	= 4540 ppm ( Rat ) 6 h

Chemical Name	Skin corrosion/irritation	Eye damage/irritation	Respiratory sensitization	Skin sensitization
MCPA (TECHNICAL ACID) (96.6 %Al) 94-74-6	Category 2	Category 1		
DIMETHYLAMINE, ANHYDROUS 124-40-3	Category 2 Category 1	Category 1		

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

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
MCPA (TECHNICAL ACID) (96.6 %Al) 94-74-6	-	Group 2B	-	X

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Chronic toxicity**

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.

**Target Organ Effects**

Eye damage/irritation, Respiratory system, Skin.

**Aspiration hazard**

No information available.

**Information on likely routes of exposure**

**Product Information**

No data available

**Inhalation**

No data available.

**Eye contact**

Corrosive. Causes irreversible eye damage.

**Skin contact**

No data available.

**Ingestion**

No data available.





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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
MCPA (TECHNICAL ACID) (96.6 %AI) 94-74-6	EC50 1.9 mg/L 96 h Pseudokirchneriella subcapitata EC50 19 mg/L 72 h Pseudokirchneriella subcapitata	LC50 79.74 - 117.99 mg/L 96 h Lepomis macrochirus LC50 72.02 - 110.39 mg/L 96 h Oncorhynchus mykiss LC50 59 mg/L 96 h Cyprinus carpio	EC50 180 mg/L 48 h Daphnia magna
DIMETHYLAMINE, ANHYDROUS 124-40-3	EC50 9 mg/L 96 h Pseudokirchneriella subcapitata	LC50 111 - 125 mg/L 96 h Oncorhynchus mykiss LC50 120 mg/L 96 h Oncorhynchus mykiss LC50 210 mg/L 96 h Poecilia reticulata LC50 127 - 349 mg/L 96 h Poecilia reticulata LC50 396 mg/L 96 h Brachydanio rerio	EC50 88.7 mg/L 48 h Daphnia magna Straus

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

**Contaminated packaging**

Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
DIMETHYLAMINE, ANHYDROUS 124-40-3	-	-	-	U092

**14. TRANSPORT INFORMATION**

**DOT**

UN/ID no

Not regulated

Proper shipping name

Not regulated

U.S. Surface Freight Classification:

COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS: 60)



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**15. REGULATORY INFORMATION**

<u><b>NFPA</b></u>	<b>Health hazards</b> 3	<b>Flammability</b> 2	<b>Instability</b> 0	<b>Physical and Chemical Properties</b> -
<u><b>HMIS</b></u>	<b>Health hazards</b> 3	<b>Flammability</b> 2	<b>Physical hazards</b> 0	<b>Personal protection</b> X
	<b>0 - Least</b>	<b>1 - Slight</b>	<b>2 - Moderate</b>	<b>3 - High</b>
			<b>4 - Severe</b>	

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
MCPA (TECHNICAL ACID) (96.6 %AI) - 94-74-6	0.1
DIMETHYLAMINE, ANHYDROUS - 124-40-3	1.0

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
DIMETHYLAMINE, ANHYDROUS 124-40-3	1000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
DIMETHYLAMINE, ANHYDROUS 124-40-3	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**US EPA Waste Number** U092

**U.S. EPA Label Information**

**EPA Registration Number** 34704-130

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER - PELIGRO

**Difference between SDS and EPA Pesticide label**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.



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### 16. OTHER INFORMATION

**Prepared By** Product Stewardship and Regulatory Affairs

**Reviewed By** Safety, Health and Environment

**Issue Date** 11/06/2019

**Revision Date** 11/06/2019

**Revision Note**

All SDS sections updated

**MCP AMINE 4** is a trademark of Loveland Products, Inc.

**Disclaimer**

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**End of Safety Data Sheet**