

SILVER FERN CHEMICAL



Safety Data Sheet

Oleyl Amine

SECTION 1: IDENTIFICATION

Product Name: Oleyl Amine Distilled

CAS Number: 112-90-3

Chemical Name: 1-Amino-9-octadecene

Synonyms: 1-Amino-9-octadecene, Oleylamine

Uses: In the preparation of Ethoxylated products, Acid thickner, Cationic surfactants, Flushing & Dispersion of pigments (yellow pigment).

Company

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24 Hour Emergency Contact

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SECTION 2: HAZARD IDENTIFICATION

Danger



H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Content (W/W)	Ingredients
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112-90-3	98%	1-Amino-9-octadecene
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SECTION 4: FIRST AID MEASURES

If inhaled: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

In case of skin contact: Flush skin with plenty of water for at least 15 minutes. Discard contaminated clothing in a manner, which limits further exposure.

In case of eye contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub.

If swallowed: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups full of milk or water.

SECTION 5: FIRE FIGHTING MEASURES

General Information - As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition.

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

NFPA Rating - (estimated) Health: 3; Flammability: 0; Instability: 0

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. Provide ventilation.

SECTION 7: HANDLING AND STORAGE

Handling - Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. Discard contaminated shoes.

Storage - Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits: None listed.

Personal Protective Equipment

Eyes - 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 - Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing - Wear appropriate protective clothing to minimize contact with skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Colorless to pale yellow
Odor	Not available.
pH	Alkaline
Vapor Pressure	1 mmHg @ 120 C
Viscosity	Not available.
Boiling Point	348 °C - 350 °C
Freezing/Melting Point	25 °C Max
Auto-ignition Temperature	Not available.
Flash Point	>120 deg C
Explosion Limits, lower	Not available.
Explosion Limits, upper	Not available.
Decomposition Temperature	Not available.
Solubility	Soluble in alcohols and chloroform
Specific Gravity/Density	0.84
Molecular Formula	R-NH ₂
Molecular Weight	267-280

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability - Stable under normal temperatures and pressures.

Conditions to Avoid - Incompatible materials.

Incompatibilities with Other Materials - Strong oxidizing agents.

Hazardous Decomposition Products - Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen.

Hazardous Polymerization - Has not been reported.

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS#	CAS# 112-90-3: RG4130000
LD50/LC50	Not available.
Carcinogenicity	Oleylamine - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

UN number: 2735 Class: 8 Packing group: II
Proper shipping name: Amines, liquid, corrosive, n.o.s. ((Z)-Octadec-9-enylamine)
Reportable Quantity (RQ):
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 2735 Class: 8 Packing group: II EMS-No: F-A, S-B
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. ((Z)-Octadec-9-enylamine)
Marine pollutant: No

IATA

UN number: 2735 Class: 8 Packing group: II
Proper shipping name: Amines, liquid, corrosive, n.o.s. ((Z)-Octadec-9-enylamine)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL

TSCA: CAS# 112-90-3 is listed on the TSCA inventory.

Health & Safety Reporting List: Effective Date: 1/13/84; Sunset Date: 1/13/94

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.

SARA

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.

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# 112-90-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California 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 34 Causes burns.

Safety Phrases: S 24/25 Avoid contact with skin and eyes. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 37 Wear suitable gloves. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger/Protection): CAS# 112-90-3: 2

Canada - DSL/NDSL: CAS# 112-90-3 is listed on Canada's DSL List.

Canada – WHMIS: This product has a WHMIS classification of E.

SECTION 16: OTHER INFORMATION

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

HMIS Rating

Health hazard: 3

Chronic Health Hazard:

Flammability: 1

Physical Hazard 0

NFPA Rating

Health hazard: 3

Fire Hazard: 1

Reactivity Hazard: 0

DISCLAIMER OF RESPONSIBILITY

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