

1. Product and Company Identification

Product Code: 1649
Product Name: 1649
Company Name: Appli-Tec, Inc
 7 Industrial Way Unit 1
 Salem, NH 03079
Phone Number: (603)685-0500
Web site address: www.appli-tec.com
Emergency Contact: Contact medical emergency services
Information: Call Chemtrec for Transport Info. (800)424-9300

2. Hazards Identification

Skin Corrosion/Irritation, Category 1A-1C
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1
Specific Target Organ Toxicity (repeated exposure), Category 2
Aquatic Toxicity (Chronic), Category 2
Aquatic Toxicity (Acute), Category 2



GHS Signal Word: Danger
GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
 H317 - May cause an allergic skin reaction.
 H373 - May cause damage to kidneys through prolonged or repeated exposure.
 H411 - Toxic to aquatic life with long lasting effects.
GHS Precaution Phrases: P260 - Do not breathe vapors, mist or spray.
 P264 - Wash hands thoroughly after handling.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - 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.
 P314 - Get medical attention/advice if you feel unwell.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
 P363 - Wash contaminated clothing before reuse.
 P391 - Collect spillage.
GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container according to local, state and federal environmental regulations.

Emergency Overview:
OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Inhalation: Causes respiratory tract irritation. May cause severe allergic respiratory reaction. May cause lung damage.

Skin Contact: Harmful if absorbed through the skin. Corrosive, causes skin burning. May cause sensitization by skin contact.

Eye Contact: Corrosive, contact causes severe eye burns.

Ingestion: Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

Additional Information No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Proprietary Amine	95.0 -100.0 %
NA	Proprietary Amine Compound	1.0 -5.0 %
NA	Proprietary Aliphatic Amine	1.0 -5.0 %

Additional Information Exact percentages have been withheld as a trade secret.

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

In Case of Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash contaminated clothing before reuse.

In Case of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention/advice.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Signs and Symptoms Of Exposure: burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: >= 93.00 C Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: 1.1 UEL: 6.4

Autoignition Pt: No data.

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

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: Carbon oxides, Nitrogen oxides, irritating and toxic fumes and gases.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Keep unauthorized personnel away. Avoid breathing vapors, mist or gas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Prevent entry into waterways, sewers, basements or confined areas. Use proper personal protective equipment as indicated in Section 8.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with eyes, skin, and clothing. Avoid breathing dust, mist, or vapor. Wash thoroughly after handling.

Precautions To Be Taken in Storing: Store in a tightly closed container. Store in well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Proprietary Amine	No data.	No data.	No data.
NA	Proprietary Amine Compound	No data.	No data.	No data.
NA	Proprietary Aliphatic Amine	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: Safety glasses.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: amber. Liquid.
Odor: amine-like.

pH: No data.

Melting Point: No data.

Boiling Point: No data.

Flash Pt: >= 93.00 C Method Used: Setaflash Closed Cup (Rapid Setaflash)

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: 1.1 UEL: 6.4

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): .92
Density: 7.7 LB/GA
Solubility in Water: insoluble
Octanol/Water Partition Coefficient: No data.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: High temperatures.
Incompatibility - Materials To Avoid: Strong acids, bases, Strong oxidizers.
Hazardous Decomposition or Byproducts: Carbon oxides, Nitrogen oxides, Hydrogen cyanide.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available.
Irritation or Corrosion: Skin corrosion/irritation.
Sensitization: Skin sensitization.

12. Ecological Information

General Ecological Information: Toxic to aquatic life with long lasting effects.

13. Disposal Considerations

Waste Disposal Method: Observe all federal, state, and local environmental regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN2735 **Packing Group:** III



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	Proprietary Amine	No	No	No
NA	Proprietary Amine Compound	No	No	No
NA	Proprietary Aliphatic Amine	No	No	No

Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	Proprietary Amine	TSCA: Inventory
NA	Proprietary Amine Compound	TSCA: Inventory
NA	Proprietary Aliphatic Amine	TSCA: Inventory

16. Other Information

Revision Date: 04/04/2018

Additional Information About This Product: No data available.

Company Policy or Disclaimer: The information on this data sheet represents our current and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or the applicable technical bulletin, or which involves using the product in combination with any other product or any other process is the responsibility of the user.