

Material Safety Data Sheet

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Product Identification

Product Name: AV-208 ACETONE

Composition/Ingredient Information

Ingredient Name / CAS Number	Exposure Limits	Concentration
Acetone CAS #67-64-1	OSHA PEL: 1000 ppm ACGIH TLV: 500 ppm	Trade Secret

Hazards Information

Primary Route(s) of Entry: Skin absorption and inhalation.

Health Hazards: Chronic exposure; prolonged skin contact may cause an severe irritation or dermatitis.

Eye Contact: Vapors are irritating to the eyes. Splashes may cause severe irritation, with stinging, tearing, redness, and pain.

Skin Contact: Corrosive. Irritating due to the defatting action of the skin. Causes redness, pain, drying and cracking of the skin.

Ingestion: Swallowing small amounts is not likely to produce harmful effects. Ingestion of larger amounts may produce abdominal pain, nausea, vomiting. Aspiration into the lungs can cause severe lung damage and is a medical emergency. Other symptoms are expected to parallel inhalation.

Inhalation: Inhalation of vapors irritates the respiratory tract. May cause coughing, dizziness, dullness, and headache. Higher concentrations can produce central nervous system depression, narcosis, and unconsciousness.

First Aid Measures

Eyes: Immediately flush with water for a minimum of 15 minutes. Get immediate medical attention.

Skin: Remove contaminated clothing, flush the skin with water for a minimum of 15 minutes. Wash thoroughly with soap and water. Get medical attention immediately. Wash clothing and thoroughly clean shoes before reuse.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

Ingestion: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into the lungs. (Never give anything by the mouth to an unconscious or convulsing person.)

Fire and Explosion Hazards

Flash Point: - 4 °F (-20°C) CC

Flammable Limits: LEL: 2.6% UEL: 12.8%

Extinguishing Media: Dry chemical, alcohol foam, carbon dioxide, or water. Water may be ineffective.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: This material will form vapors when above flash point. These vapors can travel along surfaces to a distant ignition source and flash back. Sealed containers may rupture when heated.

Accidental Release Measures

Spill or Leak Procedures: Ventilate area of spill or leak. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary personnel from entering the area. Contain and recover the liquid where possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to the sewer!

Handling and Storage

Storage: Protect against physical damage. Store in a cool dry well ventilated area, away from any area where fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be grounded and bonded during any transfers to avoid static sparks.

Handling: Use only in well ventilated areas, unless used with recommended respiratory protection. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquids); observe all warnings and precautions listed for the product.

Exposure Controls and Personal Protection

Respiratory Protection: Wear NIOSH/MSHA approved full face respirator with approved cartridges.

Ventilation: Mechanical general/local exhaust to control vapor or mist below maximum exposure limits.

Protective Clothing: Wear impervious clothing, including boots, gloves, lab coat, apron or coveralls.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain an eye wash fountain and quick drench facilities in the work area.

Other Protective Equipment: Use impervious rubber gloves and boots.

Work/Hygienic Practices: Wash with soap and water after handling. Remove contaminated clothing and wash before next use.

Physical and Chemical Properties

Appearance and Odor: Colorless Liquid, fragrant, mint like

Boiling Point: 133°F (56.5°C @ 760 mm Hg)

Vapor Pressure (mm Hg @ 39.5°C): 400

Vapor Density: 2.0

Specific Gravity (water=1): 0.79 @ 20°C/4°C

Melting Point: -139°F (95°F)

Evaporation Rate (butyl acetate): ca. 7.7

Solubility in Water: Miscible in all portions of water

Stability and Reactivity

Stability: Stable under normal storage and handling conditions.

Incompatibility (materials to avoid): Concentrated nitric and sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, may form when heated to decomposition.

Polymerization: will not occur.

Toxicological Information

Oral (rat) LD₅₀: 5800 mg/kg

Inhalation (rat) LC₅₀: 50, 1000 mg/m³

Carcinogenicity: No However, acetone is being investigated as a tumorigen, mutagen, and reproductive effector.

IARC monographs: None

Teratogenicity: None

Reproductive Toxicity: None

Mutagenicity: None

Synergistic products: None

OSHA regulated: No

Ecological Information

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into the groundwater. When released into the soil, the acetone portion will evaporate quickly. When released into water the acetone is expected to disperse and quickly evaporate. This material is not expected to be toxic to aquatic life. For acetone, the LC50/96 hour values for fish are over 100 mg/l.

Disposal Considerations

Processing, use, or contamination of this product may change waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements.

Transport Information

Proper Shipping Name: Acetone
 DOT Hazard Classification: 3
 UN/NA Number: UN1090
 Packaging Group: II
 Freight Class:
 DOT Labels Required: 3
 DOT Placards Required: 3

Regulatory Information

	TSCA	SARA 302 RQ	SARA 302 TPQ	SARA 313 LIST	CERCLA	RCRA 261.33	TSCA 8(d)
Acetone CAS #(67-64-1):	NO	NO	NO	YES	5000	U002	NO

EPA/RCRA: When product is expired or deemed a waste/non-useable: U002, D001; ignitable characteristic waste

Other Information

The information on this MSDS is accurate to the best of Avanti International's knowledge. Avanti International makes no expressed or implied warranty, and in no case shall be liable for consequential, special, or indirect damages resulting from the use or handling of this product.