

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

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Product: **AC-67**

MSDS No.: G5567 - Rev 4.0 Date: 08/96
Replaces - Rev 3.0 02/96
Reason: Format Change

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-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:..... AC-67
Chemical Name/Synonym:..... PROPRIETARY BLEND
Chemical Family:..... COMPOUND
Formula:..... PROPRIETARY
Product Code:..... G5567

HMIS
Hazard Rating: Legend:
Health:..... 1 0 - Least
Fire:..... 0 1 - Slight
Reactivity:..... 0 2 - Moderate
3 - High
4 - Extreme

Product Description: Mildly acidic, lubricating burnishing compound

-- SECTION 02 - PHYSICAL DATA --

Boiling Point:..... > >212°F.
Vapor Pressure:..... < 1 (mmHg)
Vapor Density:..... N/A (AIR=1)
Appearance:..... Clear, light amber liquid
pH:..... 3.8-4.2 ± 0.1 , as received

Solubility in Water:..... Infinite
Specific Gravity:..... 1.144 (H₂O=1)
% Volatile by Volume:..... Zero
Odor:..... Slightly ammoniacal

-- SECTION 03 - HAZARDOUS COMPONENTS --

| <u>CHEMICAL NAME</u> | <u>CAS #</u> | <u>% Range</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|---|--------------|----------------|---|-------------------------------|
| *Ammonium hydroxide (partially neutralized "in situ") | 1336-21-6 | 10-20 | 35 ppm (STEL) | 25 ppm (TWA) 35 ppm (STEL) |
| Phosphoric Acid | 7664-38-2 | <1 | 1 mg/m ³ 3 mg/m ³ (STEL) | 1 mg/m ³ |
| Inert and/or non-hazardous components | ----- | ~70-80 | ----- | ----- |

Note: Material may contain trace amounts of ethylene oxide (75-21-8) in quantities less than 0.0001%.

*Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point:..... N/A (will not support combustion).
Extinguishing Media:..... Small Fire: CO₂, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.
Special Fire Fighting Procedures:..... Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability:..... Stable.
Incompatibility:..... Strong oxidizers.
Hazardous Decomposition Products:..... Carbon monoxide may form upon thermal degradation. Hydrogen gas above 850°F.
Hazardous Polymerization:..... Will not occur.

- Continued on following page -

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-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT:..... May cause irritation; severe irritation or chemical burn may occur if not irrigated immediately.
SKIN CONTACT:..... Prolonged contact may cause dryness and dry skin irritation.
INHALATION:..... No data - situation not normally encountered.
INGESTION:..... May irritate or burn mouth, esophagus, and digestive tract.
EFFECTS OF OVEREXPOSURE:..... None currently known.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.
SKIN:..... Flush with water; wash with soap and water after handling.
INHALATION:..... Remove to fresh air.
INGESTION:..... Administer several glasses of water to drink. Seek medical attention. Never give anything by mouth to an unconscious person.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION:..... None normally required; product normally does not produce vapors.
RESPIRATORY PROTECTION:..... None normally required; NIOSH approved respirator for mist conditions.
PROTECTIVE CLOTHING:..... Chemical resistant gloves when mixing or handling. Gear sufficient to prevent personal contact.
EYE PROTECTION:..... Tight fitting or chemical workers goggles if splashing is anticipated.

-- SECTION 10 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or allow contact with skin. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers.

D.O.T.: Shipping Information: Shipping Name: Acidic Cleaning Liquid, Unregulated

Empty Containers: Do not re-use empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for a reconditioner, empty each drum as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations do not permit transport of open or partially filled containers.

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for un-neutralized ammonium hydroxide): A) Sections 311/312 - Listed: Acute; B) Section 313 - Not Listed

CERCLA Information: *Listed* in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs. in 24 hours (which translates to approximately 10 drums of AC-67 spilled to require reporting).

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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