

# MATERIAL SAFETY DATA SHEET

Ammonium Chloride

AHC Products, Inc.

PRODUCT NAME: (As used on label and list): Ammonium Chloride

This Material Safety Data Sheet is being provided to your company, for the purpose of providing current health and safety information to your management and employees who work with this product. Please read the data provided and then provide it to those individuals at your company who have the responsibility to insure compliance with both Federal and State Right to Know regulations, and to those employees that request information on this product.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations

Date Prepared: 11/16/1999

## SECTION I – PRODUCT IDENTIFICATION

MANUFACTURER: AHC Products, Inc.

AHC Products, Inc.  
301 West Broadway  
Winchester, Kentucky  
606/737-3441

## SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT (Specific Chemical Identity; Common Names):

Ingredients	CAS #	% (by weight)	OSHA VPEL	ACGIH TLV
Ammonium Chloride	12125-02-9	100.0	10.000 mg/m <sup>3</sup> -TWA 20.000 mg/m <sup>3</sup> -STEL	10.000mg/m <sup>3</sup> -TWA 20.000mg/m <sup>3</sup> -STEL

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 968° F (520° C) @ 760mmHg

VAPOR PRESSURE (MM HG): N/A

VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.530 @ 68° F

EVAPORATION RATE (BUTYL ACETATE=1): N/A

APPEARANCE AND ODOR: White powder

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMITS: No data.

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No special fire hazards are known to be associated with this products

## SECTION V – REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with: acids, alkali metals, nitrites, potassium chlorate, strong oxidizing agents, water.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May form: ammonia, hydrogen chloride, nitrogen oxides, toxic fumes.

HAZARDOUS POLYMERIZATION: Product will not undergo hazardous polymerization.

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## SECTION VI – HEALTH HAZARD DATA

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**ROUTES OF ENTRY:** Inhalation, skin contact.

**EYE:** Dust can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes.

**INHALATION:** This material is a dust or may produce dust. Breathing small amounts of this material is not likely to be harmful.

**SKIN:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. This material is unlikely to pass into the body through the skin.

**INGESTION:** Swallowing small amounts of this product during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

**HEALTH HAZARDS (ACUTE AND CHRONIC):** This material can form dust, which may cause skin or mucous membrane irritation. Symptoms may include redness, burning, and swelling. Although they may cause respiratory tract irritation, nuisance dusts do not form scar tissue or affect the structure of air spaces in the lungs. Their effects on the tissues are potentially reversible.

**SIGNS AND SYMPTOMS OF EXPOSURE:** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include; mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**INGESTION:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**INHALATION:** If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

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## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Small spill: sweep up material for disposal or recovery. Large spill: Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all applicable local, state and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Avoid creating and breathing dust. Use dustless systems for handling, storage, and clean up so that airborne dust does not exceed the PEL. Use adequate ventilation and dust collection. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery or equipment. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water. Store in a cool, dry place at 75° F or lower.

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## SECTION VIII – CONTROL MEASURES

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**RESPIRATORY PROTECTION (SPECIFIC TYPE):** If needed, use a NIOSH/MSHA jointly approved dust respirator.

**VENTILATION:** Provide sufficient mechanical ventilation to maintain exposure below TLV(s).

**PROTECTIVE GLOVES:** Wear resistant gloves, such as; neoprene.

**EYE PROTECTION:** Wear safety glasses in compliance with OSHA regulations.

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