



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Ammonium bicarbonate**

PRODUCT NUMBER: 1049

CAS NUMBER: 1066-33-7

SYNONYMS: Ammonium hydrogen carbonate

MANUFACTURER:

Prochem, Inc.
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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H302	Harmful if swallowed
H316	Causes mild skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

Precautionary Phrases

P264	Wash hands thoroughly after handling
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	IF SKIN irritation occurs: Get medical advice/attention.

POTENTIAL HEALTH EFFECTS: Ingestion and inhalation

EYE CONTACT: May cause slight to mild irritation of the eyes.

SKIN CONTACT: May cause slight to mild irritation of the skin.

INHALATION: May be irritating to the nose, mucous membranes, and respiratory tract.

INGESTION: No specific information is available on the physiological effects of ingestion.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

ACUTE HEALTH EFFECTS: May be irritating to skin, eyes, and respiratory tract.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: NH_4HCO_3

Molecular Weight: 79.06

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Ammonium bicarbonate	1066-33-7	100		

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

SKIN EXPOSURE: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus for fire fighting if necessary.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxides and nitrogen oxides

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazard. The product itself does not burn.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Always wear appropriate protective equipment.

ENVIRONMENTAL PRECAUTIONS: Not available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed. Keep container in a cool, well ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Chemical-resistant gloves.

VENTILATION: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid
MOLECULAR WEIGHT: 79.06
MELTING POINT: 107.5° C
SPECIFIC GRAVITY: 1.59 gm/ml
BOILING POINT: Not available
VAPOR PRESSURE: Not applicable
SOLUBILITY: Soluble in cold water, hot water. Insoluble in methanol.

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Heat
INCOMPATIBILITY: Slightly reactive to reactive with oxidizing agents, acids, and nitrates.
DECOMPOSITION PRODUCTS: Carbon oxide and nitrogen oxides.

SECTION 11 TOXICOLOGICAL DATA

CARCINOGENIC EFFECTS: No component of this product presents at levels $\geq 0.1\%$ is identified as probable, possible or confirmed carcinogen by IARC.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available
DEVELOPMENTAL TOXICITY: Not available

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Non-hazardous

SECTION 15 REGULATORY INFORMATION

TSCA: Listedn in the TSCA inventory
PENNSYLVANIA RTK: Ammonium bicarbonate
MASSACHUSETTS RTK: Ammonium bicarbonate

SECTION 16 OTHER INFORMATION

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