



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Ammonium formate**

PRODUCT NUMBER: 1065

CAS NUMBER: 540-69-2

SYNONYMS: Formic acid ammonium salt

MANUFACTURER:

ProChem, Inc.
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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash skin and hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

HMIS CLASSIFICATION:

HEALTH: 2 FLAMMABILITY: 1 PHYSICAL: 1

NFPA RATING:

HEALTH: 2 FIRE: 1 REACTIVITY: 1

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Causes skin irritation.

INHALATION: Causes respiratory tract irritation.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: CH_5NO_2

Molecular Weight: 63.06

CHEMICAL NAME	CAS#	%
Ammonium formate	540-69-2	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. Get medical attention immediately.

SKIN EXPOSURE: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

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

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxides and nitrogen oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Always wear appropriate protective equipment. Avoid dust formation. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Do not let enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Use appropriate tools to put spilled material in convenient waste container.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use with adequate ventilation. Minimize dust formation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

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

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

SKIN PROTECTION: Wear appropriate gloves to prevent skin exposure.

VENTILATION: Handle in an efficient chemical fume hood.

RESPIRATOR: Wear an approved dust respirator. 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: 63.06

BOILING POINT: No data

MELTING POINT: 116° C

SPECIFIC GRAVITY: 1.28

VAPOR PRESSURE: Not applicable

SOLUBILITY IN WATER: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Exposure to moisture

INCOMPATIBILITY: Strong oxidizing agents and strong acids, and strong bases.

DECOMPOSITION PRODUCTS: Carbon oxides and nitrogen oxides

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral – Mouse – 2,250 mg/kg

RTECS: BQ6650000

CARCINOGENIC EFFECTS: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.

MUTAGENIC EFFECTS: No data

TETRATOGENIC EFFECTS: No data

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 material

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

SARA 313 COMPONENTS: Ammonium formate

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Ammonium formate

NEW JERSEY RIGHT TO KNOW COMPONENTS: Ammonium formate

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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