**** MATERIAL SAFETY DATA SHEET ****

Ammonium Carbonate

01160

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Ammonium Carbonate
Catalog Numbers: A056 500, A056 500, A056 600, A056 700, A056 800, A056 900
Company Identification: Fisher Scientific

1 Reagen Lane
Fairlawn, NJ 07410

For information, call: 201-795-7100
For emergency assistance, call: 800-424-9300

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#: 506-87-6 Ammonium carbonate

% EINECS/
99% 208-058-0

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: Hard, colorless, translucent crystals or white powder.
Health hazards: May cause eye and skin irritation. Causes severe digestive tract irritation with pain, nausea, vomiting and diarrhea. May corrode the digestive tract with hemorrhaging and possible shock.
Target organs: None.

Potential Health Effects

Eyes: May cause moderate eye irritation. Dust may cause mechanical irritation.
Skin: May cause irritation with burning pain, itching and redness.
Inhalation: May cause irritation of the digestive tract. May cause perforation of the digestive tract.
Ingestion: Causes respiratory tract irritation.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately. Do not allow victim to rub or keep eyes closed.
Skin: Get medical aid if irritation develops or persists. Rinse area with large amount of water for at least 15 minutes. Remove contaminated clothing and shoes.
Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. Substance is non-inflammable.
Extinguishing Media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.
Splashes/Leaks: Sweep up, then place into a suitable, clean, dry container for disposal. Avoid generating dusty conditions.

**** SECTION 7 - HANDLING AND STORAGE ****

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not get on skin or in eyes. Do not ingest or inhale.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

OSHA Vacated PELs: Ammonium carbonate: None listed. OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
Skin: Wear appropriate gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid
Appearance: Hard, colorless, translucent crystals or white powder
Odor: Strong ammonia-like
pH: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Vapor Temperature: Not available
Decomposition Temperature: Not available
Solubility: Not available
Molecular Formula: CH4N2O3
Molecular Weight: 96.076

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible materials, exposure to air.

Incompatibilities with Other Materials: Acids, acid salts, alcohols, aldehydes, sodium hypochlorite, and iron/zinc salts.

Hazardous Decomposition Products: Nitric oxides (NOx) and ammonia (NH3) fumes, oxides of carbon.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTCSFS:
CAS#: 506-87-6 BP1925000
LD50/LC50: Not available.
Carcinogenicity:
Ammonium carbonate - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:
Not available.

Teratogenicity:
Not available.

Reproductive Effects:
Not available.

Neurotoxicity:
Not available.

Mutagenicity:
Not available.

Other Studies:
None.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:
Goldfish (freshwater) death, 24 ppm/3.5H Goldfish (freshwater) tolerated, 10 ppm/10H

Environmental Fate:
No information reported.

Physical/Chemical:
No information available.

Other:
None.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: Not listed.
RCRA F-Series: Not listed.
RCRA U-Series: Not listed.

Not listed as a material banned from land disposal according to RCRA.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT
Shipping Name: AMMONIUM CARBONATE
UN Number: 30984

IMO
No information available.

IATA
No information available.

RID/ADR
No information available.

Canadian TDG
Shipping Name: AMMONIUM CARBONATE

Other Information: REGULATED LIMIT 250 KG

**** SECTION 15 - REGULATORY INFORMATION ****

A. Federal

TSCA
CAS# 506-87-6 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.

SARA
Section 302 (RO)
Final RO > 5000 pounds (2270 kg)
Section 302 (TPG)
None of the chemicals in this product have a TPG.
Section 313
No chemicals are reportable under Section 313.

Clean Air Act:
This material does not contain any hazardous air pollutants.

Clean Water Act:
CAS# 506-87-6 is listed as a Hazardous Substance under the CWA.

OSHA
None of the chemicals in this product are considered highly hazardous.

B. State
Ammonium carbonate can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.
None of the chemicals in this product are listed.

C. International

Canada

Additional Information:
No additional information available.

OSHA

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claim, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.