

AMMONIUM BICARBONATE, A643500

MSDS Number

BXBBT

National Stock Number

6810-00N057855

Product Name

AMMONIUM BICARBONATE, A643500

Manufacturer

FISHER SCIENTIFIC CHEMICAL

Product Identification

Product ID:AMMONIUM BICARBONATE, A643500

MSDS Date:01/30/1987

FSC:6810

NIIN:00N057855

MSDS Number: BXBBT

Responsible Party

FISHER SCIENTIFIC CHEMICAL

1 REAGENT LN

FAIR LAWN , NJ 07410

US

Emergency Phone: 201-796-7100

Info Phone: 201-796-7100

Cage: 1B464

Contractor

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

Ingredients

1) (CERCLA)

CAS: 1066-33-7

RTECS: BO8600000

Fraction By Weight: 100%

OSHA PELN/K

ACGIH TLV: N/K

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

CHEMICAL REMAINS (APPOX. 10-20 MIN.) GET MED ATTN.

RTECS: 9999999ZZ

AREA W/SOAP/MILD DETERGENT & LG AMTS OF H*2O UNTIL NO

RTECS: 9999999ZZ

STOP LEAK IF YOU CAN DO IT W/OUT RISK. FOR SMALL

RTECS: 9999999ZZ

SWEEP UP AND PLACE IN SUITABLE (FIREBOARD),

RTECS: 9999999ZZ

7.8 IN 0.1 N SOLUTION.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:INHAL:MAY CAUSE RESP IRRIT & COUGHING. INGEST:INGEST OF VERY LARGE DOSES MAY CAUSE CONJUNCT. EYES:PARTICULATES IN EYE MAY CAUSE IRRIT, LACRIMATIONS, REDNESS, PAIN, BURNING & BLURRED VISION. SKIN :CONTACT MAY CAUSE IRRIT. CHRONIC:INHAL:MAY CAUSE MUCOUS MEMBRANE IRRIT. EYES:PROLONGED/REPEATED CONTACT MAY (SUPDAT)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:AMMONIUM BICARBONATE IS HIGHLY TOXIC BY INTRAVENOUS INJECTION. IT IS A COMMON FOOD AND PHARMACEUTICAL ADDITIVE AND IS CONSIDERED NON-TOXIC ORALLY. IT MAY BE IRRITATING TO THE EYES, SKIN, AND MUCOUS M EMBRANES IN POWDER FORM.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL:REMOVE FROM EXPOSE AREA TO FRESH AIR IMMED. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESP. KEEP AFFECTED PERSON WARM & @ REST. GET MED ATTN. INGEST:IF VICTIM IS CONSCIOUS, GIVE HIM LRG QTYIES OF H*2O IMMED TO DILUTE. DO NOT INDUCE VOMIT. GET MED ATTN IMMED. EYE:WASH EYES IMMED W/LRG AMTS OF H*20, FOR @ LEAST 15 MINS, OCCASIONALLY LIFTING UPPER & LOWER LIDS, UNTIL NO EVIDENCE OF (SUPDAT)

Fire Fighting

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR ALCOHOL FOAM.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVD SCBA & FULL PROTECTIVE EQUIPMENT . MOVE CNTR FROM FIRE AREA IF POSSIBLE. DO NOT SCATTER SPILLED MATERIAL W/MORE H*2O THAN (SUPDAT)
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE AND NEGLIGIBLE EXPLOSION HAZARD IN DUST FORM WHEN EXPOSED TO HEAT OR FLAME.

Accidental Release

Spill Release Procedures:SOIL SPILL:DIG HOLDING AREA SUCH AS PIT, POND/LAGOON TO CONTAIN SPILLED MATL. USE PROCT COVER SUCH AS PLASTIC SHEET TO PREVENT DISSOLVING IN FIRE-FIGHTING H*20/RAIN. H*2O SPILL: NEUT W/DILUTE ACID/REM OVABLE STRONG ACID. OCCUPATIONAL SPILL:(SEE ING 4)
Neutralizing Agent:WATER SPILL: NEUTRALIZE WITH DILUTE ACID OR REMOVABLE STRONG ACID.

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:AVOID REPEATED OR PROLONGED CONTACT WITH THIS SUBSTANCE.

Exposure Controls

Respiratory Protection:HIGH LEVELS-CHEMICAL CARTRIDGE RESPIRATOR
NIOSH/MSHA APPROVED FOR PROTECTION AGAINST AMMONIA, DUSTS, & MISTS.
Ventilation:PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION
SYSTEM.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .
Other Protective Equipment:EYEWASH FOUNTAIN & DELUGE SHOWER MEETING
ANSI DESIGN CRITERIA .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
FIRE FIGHT PROC:NEED FOR FIRE CTL. DIKE FIRE CONTROL H*2O FOR LATER
DISP. USE AGENT SUITABLE FOR SURROUND FIRE. AVOID BRTHING HAZ
VAPORS/DUST, KEEP UPWIND. HLTH HAZ:CHRONIC:EYES:CAUSE CONJUNCT.
SKIN:M AY CAUSE DERMATITIS. FIRST AID PROC:CHEMICAL REMAINS
(APPROX. 10-20 MIN). GET MED ATTN IMMED. (SEE ING 2)

Chemical Properties

Boiling Pt:B.P. Text:DECOMPOSES
Melt/Freeze Pt:M.P/F.P Text:118F,48C
Spec Gravity:1.6
pH:ING.7
Solubility in Water:17.4%
Appearance and Odor:SHINY, HARD, WHITE CRYSTALS WITH A FAINT ODOR OF
AMMONIA.

Stability

Stability Indicator/Materials to Avoid:YES
DECOMPOSES ON CONTACT WITH WATER OR ON HEATING.
Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES & PRESS
UP TO THE MELTING POINT, 48 C, WHERE DECOMP OCCURS. AVOID HEATING
TO DECOMP.
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE HIGH
TOXIC FUMES OF AMMONIA, AND OXIDES OF CARBON.
Conditions to Avoid Polymerization:AVOID HEATING TO DECOMPOSITION.

Disposal

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL
REGULATIONS .

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