1041003

# AMMONIUM CHLORIDE

A. GENERAL II	NFORMATION	

PRODUCT SAFETY DATA SHEET

TRADE NAME (COMMON NAME)		M CAS. NO.	☐ GENERAL PRODUCT CODE #
Ammonium Chloride (Sal Ammoniac)			12125-02-9
CHEMICAL NAME AND/OR SYNONYM  Ammonium Chloride	Distributed by	·	
	HUBBARD-HALL	. INC.	
FORMULA		03 754-2171 03:472:9031	MOLECULAR WEIGHT
NH ₄ CI		01 333-6180 :3.789-4833	53.49
ADDRESS (No., STREET, CITY, STATE AND ZIP CODE)			
GENERAL CHEMICAL CORPORATION 90 East Halsey Road Parsippany, N.J. 07054			
CONTACT	PHONE NUMBER	LAST ISSUE DATE	CURRENT ISSUE DATE
Manager of Product Safety	/201\ 515_1940	October 1	090   Eabruary 1004

### B. FIRST AID MEASURES

**EMERGENCY PHONE NUMBER** (800) 631-8050

SKIN: Wash with plenty of water.

EYES: Flush promptly with plenty of water for at least 15 minutes and get medical attention.

INGESTION: Drink large amounts of water to dilute the material. Do not induce vomiting,

Get medical attention for irritation, ingestion or discomfort from inhalation.

NOT DOT Regulated

HEALTH INHALATION Inhalation of product dust may	irritate nose, throat and lungs.	
	irritate nose, throat and lungs.	
Inhalation of product dust may	irritate nose, throat and lungs.	
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INGESTION		
Although low in toyigity indust	on can be harmful - consult a physician.	
may imitate mouth, esophagus	stomach, etc. LD <sub>50</sub> (rat): 1650 mg/kg. Reference (a).	
SKIN		
May cause skin irritation, espe	cially under prolonged contact.	
EYES		
May irritate or burn eyes.		
PERMISSIBLE CONCENTRATION: AIR	SIOLOGICAL	
CIFE SECTION J)	OSHA / ACGIH / TLV: 10 mg (as NH <sub>4</sub> CI Fume)/m <sup>3</sup>	
UNUSUAL CHRONIC TOXICITY		
None known.		
CC-124-259 (7/B1) N	D - NOT DETERMINED 1 NA - NOT APPLICABLE	

C. HAZAR	DS (Cont.)

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FLASH POINT	٥C	AUTO IGNITION		٥C	FLAMMABLE LIMITS IN AIR (% BY VOL.)	
Not Fi	ammable	TEMPERATURE	NA		NA	
CPEN CUP	CLOSED CUP		1424			
UNUSUAL FIRE AND	D EXPLOSION HAZARD	s				
Decompose:	s at 340° C to for	rm toxic and coi	rrosive ammor	nia and	hydrogen chloride gases.	
D. PRECAU	TIONS PROCE	DURES				4

D. PRECAUTIONS PROCEDURES
FIRE EXTINGUISHING AGENTS RECOMMENDED
Any agent suitable for surrounding fire.
FIRE EXTINGUISHING AGENTS TO AVOID
None known.
SPECIAL FIRE FIGHTING PRECAUTIONS
Wear NIOSH-approved self-contained breathing apparatus with full facepiece as toxic gases may be present.
VENTILATION
Local exhaust if dusty condition prevails or if TLV is exceeded.
NORMAL HANDLING
Avoid eye contact or prolonged skin contact. Avoid breathing dust or fumes.
STORAGE
Store in a cool, dry, well-ventilated area away from acids, alkalies, nitrites and nitrates.
SPILL OR LEAK (ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT - SECTION E)
Shovel up dry chemical into an empty container with a cover. Flush residue with plenty of water. (See Section I for disposal methods).
SPECIAL: PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS SIGNAL WORD - CAUTION!

### E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

Where required, use a respirator approved by NIOSH for product dusts, mists or vapors, as applicable.

EYES AND FACE

Wear hard hat (or other head covering) and chemical safety goggles. Do not wear contact lenses.

HANDS, ARMS, AND BODY

Wear long-sleeve shirt and trousers and gloves for routine product use. Cotton gloves are sufficient for dry product; wear impervious gloves when handling solutions.

OTHER CLOTHING AND EQUIPMENT

Provide eyewash and shower stations convenient to the workplace.

F.	PH'	YSI	CAL	DA'	TΑ
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MATERIAL IS (AT NORMAL CONDITIONS):	APPEARANCE AND ODOR	
☐LIQUID I SOLID ☐ GAS	White crystals Odorless.	
0		
BOILING POINT ° C Decomposes (approx.) 340 ° C	SPECIFIC GRAVITY (H20 = 1)	VAPOR DENSITY (AIR = 1)
MELTING POINT °C	1.529	NA NA
SOLUBILITY IN WATER (% by Weight)	рH	VAPOR PRESSURE (PSIG) (PSIG)
27% at 20°C	1% solution; pH ≥ 5.5	NA
EVAPORATION RATE (Butyl Acetate = 1) (Ether = 1)	% VOLATILES BY VOLUME (Ar 20°C)	
NA	NA	

## G. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	
☐ UNSTABLE	⊠ STABLE	Stable unless heated - decomposes to release ammonia and hydrogen chloride gases.	
INCOMPATIBILITY (MATERI	ALS TO AVOID)		
	a is released. chloride is released. y explosive combinations ma	y be formed.	
HAZARDOUS DECOMPOSIT	ION PRODUCTS		
Ammonia and hyd	rogen chloride (hydrochloric	acid) gases.	
HAZARDOUS POLYMERIZA	TION	CONDITIONS TO AVOID	
☐ MAY OCCUR	M WILL NOT OCCUR		

# H. HAZARDOUS INGREDIENTS (Mixtures Only)

MATERIAL OR COMPONENT / C.A.S. #	W1.%	HAZARD DATA (SEE SECT. J)
Ammonium Chloride / 12125-02-9	99+	Refer to Section C
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GRADABILITY/AQUATIC TOXICITY	OCTANOL/WATER PARTITION COEFFICIENT	
	Unknown	
6ppm/96hr/sunfish TLm/fresh water		
PA HAZARDOUS SUBSTANCES LEAN WATER ACT SEC. 311) YES NO	TY: 5000	40 CF6 116-11
ASTEDISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE A Users should review their operations in terms of any applie with appropriate regulatory agencies before discharging or be disposed of by burial in an approved chemical wastes to	cable federal, state and local laws and regulations, the rdisposing of waste material. If regulations permit, wa	iste may
cra status of unused material if discarded Not a hazardous waste.	HAZARDOUS WASTE NUMBER: (# APPLICABLE)	40 CFI 261
REFERENCES		
ERMISSIBLE CONCENTRATION REFERENCES  "Threshold Limit Values for Chemical Substances", ACC OSHA "Z" List (21 CFR 1910.1000)	SiH, 1993-94	
EGULATORY STANDARDS	D.C.T. CLASSIFICATION: (Non-Bulk) Not Regulated	49 CFR
	(Not regulated	49 UFR
ENERAL  (a) "Registry of Toxic Effects of Chemical Substances," NK		49 UFR
ENERAL		73071
ENERAL  (a) "Registry of Toxic Effects of Chemical Substances," NK	OSH, U.S. Dept. HHS, 1979.	
ENERAL  (a) "Registry of Toxic Effects of Chemical Substances," NK  C. ADDITIONAL INFORMATION	OSH, U.S. Dept. HHS, 1979.	
ENERAL  (a) "Registry of Toxic Effects of Chemical Substances," NK  C. ADDITIONAL INFORMATION	OSH, U.S. Dept. HHS, 1979.	

PSDS FILE NO. - GC-5005

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