

88939
192

MATERIAL SAFETY DATA SHEET

The purpose of this data sheet is to obtain technical information for each specific material from the manufacturer. This information is required to evaluate health, safety and environmental hazards, determine precautions and make final recommendations for use of the material. The information requested will be kept confidential and disclosed only as necessary to meet requirements of the Occupational Safety and Health Act of 1970 or as required by any other Federal, State or Local regulations.

SECTION I	
MANUFACTURER'S NAME L. B. ALLEN COMPANY, INC.	EMERGENCY TELEPHONE NO. (312) 595-2600
ADDRESS (Number, Street, City, State, and ZIP Code) 725 NORTH CENTRAL AVENUE, WOOD DALE, ILLINOIS 60191	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS SAL AMMONIAC
CHEMICAL FAMILY	FORMULA

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
Pigments			Base Metal		
Catalyst			Alloys		
Vehicle			Metallic Coatings		
Solvents			Filler Metal Plus Coating or Core Flux		
Additives			Others		
Others					
HAZARDOUS MIXTURES OF OTHER SOLVENTS				%	TLV (Units)
AMMONIUM CHLORIDE					10mg/M ³

SECTION III - PHYSICAL DATA			
Boiling Point (°F)	DECOMPOSES AT 482°F	Specific Gravity (H ₂ O = 1)	1.53
Vapor Pressure (mm Hg.)		Percent Volatile by Volume (%)	
Vapor Density (Air = 1)		Evaporation Rate (_____ = 1)	
Solubility in Water	PARTIAL		
Appearance and Odor	WHITE CRYSTALS		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method used)	NOT FLAMMABLE	Flammable Limits	NA
		LEL	UEL
Extinguishing Media			
Special Fire Fighting Procedures			
Unusual Fire and Explosion Hazards			
AMMONIA AND HYDROCHL		VAPORIZES FROM 363° - 640°F TO GIVE ACID GAS	

88939

(FUS)

88939
 Day 2

SECTION V - HEALTH HAZARD DATA	
Threshold Limit Value	AMMONIUM CHLORIDE FUME 10mg/M3
Effects of Overexposure	IRRITATION MAY BE POSSIBLE FROM INHALATION, EYE CONTACT OR PROLONGED SKIN CONTACT, INGESTION COULD BE HARMFUL
Emergency and First Aid Procedures	WASH SKIN AND FLUSH EYES WITH PLENTY OF WATER FOR INGESTION OR SERIOUS IRRITATION GET MEDICAL ATTENTION

SECTION VI - REACTIVITY DATA			
Stability	Unstable		Conditions to Avoid
	Stable	X	STABLE UNLESS HEATED
Incompatibility (Materials to avoid)		ALKALIES	
Hazardous Decomposition Products AMMONIA AND HYDROCHLORIC ACID GASES			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
Steps to be Taken in Case Material is Released or Spilled	REMOVE EXCESS - FLUSH SMALL AMOUNTS OF RESIDUE WITH WATER
Waste Disposal Method	DISSOLVE IN WATER AND FLUSH TO SEWER WITH PLENTY OF WATER IF PERMITTED BY DISPOSAL REGULATIONS

SECTION VIII - SPECIAL PROTECTION INFORMATION		
Respiratory Protection (Specify type) APPROVED NIOSH RESPIRATOR		
Ventilation	Local Exhaust	GOOD FAN TO ELIMINATE DUST
	Mechanical (General)	Other
Protective Gloves	WORK GLOVES	Eye Protection CHEMICAL SAFETY GOGGLES
Other Protective Equipment RESPIRATOR IF FUMES OR GASES ARE PRESENT		

SECTION IX - SPECIAL PRECAUTIONS	
Precautions to be Taken in Handling and Storing	STORE IN COOL, DRY, WELL VENTILATED AREA. AVOID CONTACT WITH ALKALIES WHICH WILL GENERATE AMMONIA GAS
Other Precautions	HEAT WILL SUBLIME AMMONIUM CHLORIDE TO FORM AMMONIA AND HYDROCHLORIC ACID GASES