

MATERIAL SAFETY DATA SHEET -1/4

1. CHEMICAL IDENTITY

Chemical Name : AMMONIA LIQUOR

:

Chemical Classification : Inorganic alkaline compound

Synonyms : *Aqueous Ammonia, Ammonia Solution, Ammonium Hydroxide* Trade Name: Liquor Ammonia

Formula	NH4OH

Regulated Identification	: Shipping Name : Ammonium Hydroxide
Hazchem Code : Not listed	: Codes / Label : Corrosive, Class8
Hazardous Waste ID No. 16	: HS Code ; 281420
HAZARDOUS INGREDIA	ANTS : C.A.S.No.

1 Ammonia

1336-21-6

2. PHYSICAL / CHEMICAL DATA

36 C: Physical State *Liquid*: Appearance *Colourless, Waterlike* Boiling Pt / Range Odour : Pungent Odour Vapour Pressure: @ 35 C 0.5 mm Hg : 0 Melting / Freezing Pt : -77 C ° Solubility in water at 30 C Soluble Others: Soluble in Chloroform & Ether Vapour Density (Air = 1) 0.6) Specific Gravity(Water = 1) 0.89 at 20 C: PH : alkaline

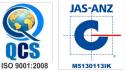
3. FIRE / EXPLOSION HAZARD DATA

Flammability No	: LEL Not pertinent %	: Flash Point [°] C
Not Pertinent (OC)		
TDG Flammability N.A.	: UEL Not pertinent %	: Flash Point ° C
Not Pertinent (CC)		
Autoignition Temperature ° C	: Not pertinent	
Explosion sensitivity to impact	: Stable	
Explosion sensitivity to static Electricity	: Stable	
Hazardous Combustion Products	: Emits toxic fumes of NH3 and N	VOx
Hazardous Polymerization	: Will not occur	
Combustible Liquid No	: Explosive Material No	: Corrosive
Material Yes	-	
Flammable Material No	: Oxidiser No	: Others
Pyrophoric Material No	: Organic Peroxide No	:

Anhydrous Ammonia, Liquor Ammonia, Methyl Amine and Sulphur Dioxide

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4. REACTIVITY DATA

Chemical Stability	: Stable
Incompatibility	: Acrolein, Nitromethane, Acrylic acid, Chlorosulphonic acid,
	: Dimethylsulphate, Halogens, HCL, HF

With other materia	1 : HNO3, AgNO3, Ag2O
Reactivity	: Reacts with H2SO4, strong mineral acids exothermically, Corrosive to Copper,
	: Copper alloys, Aluminium alloys, Galvanised surfaces.
Hazardous	:
Reaction Products	: Not available

5. HEALTH HAZARD DATA

Routes of entry	: Inhalation, Ingestion, Skin & Eyes
Effects of	: Causes burning pain in mouth, throat, stomach, constriction of throat and
	: coughing, followed by vomitting of blood
Exposure /	: Severe eye and skin irritation
Symptoms	:
	:
6Emergency	: Inhalation: Remove victim to fresh air area, give artificial respiration and oxygen if needed.
Ingestion	: Do
Treatment	: not induce vomitting, lavage stomach with water or lemon juice, milk. Delay may cause : perforation of oesophague
	: or stomach swelling of glottis may necessitate tracheostomy. Eyes: Wash with plenty of :water for 15 mins.
Skin	: Wash the affected area with plenty of water. Seek medical aid immediately.

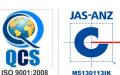
LD50 (oral-rat) ppm 27(NH3) mg/m3	350	mg/kg	: STEL	35(NH3)
Permissible exposure Limit ppm 36 mg/m3	25 (NH3)	ppm 18 (NH3) mg/m3	: Odour Threshold	50
TLV (ACGIH)	25 (NH3)	ppm 18 (NH3) mg/m3	:	
NFPA Hazard Signals <i>Not listed</i>	: Health : –	: Flammability : –	: Reactivity : : – :	Special

6. PREVENTIVE MEASURES

: Avoid contact with liquid and vapours. Personal

Anhydrous Ammonia, Liquor Ammonia, Methyl Amine and Sulphur Dioxide





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Protective	: Use rubber boots, gloves, apron, safety goggles. Use of protective oil will :reduce skin irritation.	
Equipements	:	
8Handling	: Keep in a cool, strong glass, plastic or rubber stoppered bottles	
& Storage	: Avoid storing along with oxidizing materials and away from all	
& Storage	: possible sources of ignition	
Precautions	: Store in well ventilated, flame resistant locations	
Trecautions	. Store in weit ventitatea, frame resistant tocutions	
	CY / FIRST AID MEASURES	—
9. EMERGEN	CY / FIRST AID MEASURES	

Unusual Hazards

: Poisonous gases are produced in fire.

10.EXPOSURE : First Aid Measures

Inhalation: Remove the victim to fresh air area, provide artificial respiration. Ingestion : Do not induce vomiting, lavage stomach with water, lemon juice or : milk. Eyes: Wash with plenty of water for 15 mins. Skin: Wash the affected are: with plenty of water and soap Seek medical aid immediately. Antidotes / Dosages : Not available SPILLS Steps To Be Taken: Collect leaking liquid in sealable container, wash away remainder : with large amount of water.

Waste Disposal Method: Seal all waste in vapour tight plastic bags for eventual disposal.

11. EMERGENCY: Fire Extinguishing media: Stop flow of gas. Use water spray or fog / FIRE : Special Procedure: Keep the containers cool by spraying with water if

: <u>exposed to heat or flame</u>. : Unusual Hazards: <u>Gas is suffocating</u>. 12. FIRST AID MEASURES:

 Inhalation: Remove the victim to fresh air area, provide artificial respiration or Oxygen, if needed.

 Skin
 : Remove the contaminated clothes and wash the affected area with plenty of water and soap.

 Eyes
 : Flush with plenty of water for 15 mins. Seek medical aid .

 Antidotes / Dosages
 : Not available

 13.
 SPILLS
 : Steps To Be Taken: Contain leaking liquid on sand or earth allow to --4

 ...evaporate.
 Dilute the vapours: with plenty of water.

Waste Disposal Method: Seal all waste in vapour tight plastic bags for eventual disposal.

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14. ADDITIONAL INFORMATION / REFERENCES

C.A.S. No. 1336-21-6: U.N.No.2672: H.S. CODE No. 281420 : IMCO Class. 8111 LCLO : 30,000 ppm/5M (ihl-hmn). A human poison can enter by an unspecified route. Difficult to ignite NH3 and air in fire, can detonate.

Violent or explosive reactions on contact with interhalogens. Forms sensitive explosive mixture with air ad hydrocarbons. Those affected with or and pulmonary diseases should avoid exposure to Ammonia.

15. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM : JAYSONS CHEMICAL INDUSTRIES Contact Person ; Mr.SWAPNIL SHARMA / Mr.NAVIN SHARMA MAILING ADDRESS PLOT NO.317/7, GIDC, VAPI DIST VALSAD In Emergeny TELEPHONE NO +.91 22) 26736800 / 0260 2431150 Mobile No.09819788302 / 09820314129 Email: swapnil@jaysons.in / sales@jaysons.in Trem Card Details / Ref

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