

## MATERIAL SAFETY DATA SHEET

### AMMONIA SOLUTION 5-10%

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY	
<b>Product Name:</b>	Ammonia Solution 5-10%
<b>Supplier:</b>	SDC Enterprises Limited Unit 29 Pitcliffe Way, Upper Castle Street Bradford BD5 7SG
<b>Emergency Telephone:</b>	+44 (0) 1274 750160 sales@sdcenterprises.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS				
INGREDIENT NAME	CAS NO.	CONTENTS	CLASSIFICATION	EC No
Ammonia %	1336-21-6	5-10%	C;R34 N;R50	215-647-6

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION
Irritating to eyes, respiratory system and skin. <b>Classification:</b> Xi;R36/37/38

4. FIRST AID MEASURES
<b>Inhalation:</b> Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion:</b> NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS Rinse mouth thoroughly. Get medical attention if any discomfort continues.
<b>Skin:</b> Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
<b>Eyes:</b> Make sure to remove contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention of any discomfort continues.

5. FIRE FIGHTING MEASURES
<b>Extinguishing Media:</b> This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials.
<b>Specific Hazards:</b> Vapours/gases/fumes of: Ammonia Oxides of: Nitrogen
<b>Protective Measures in Fire:</b> Self contained breathing apparatus and full protective clothing must be worn in case of a fire.



6. ACCIDENTAL RELEASE MEASURES
<b>Personal Precautions:</b> Wear protective clothing as described in section 8 of this safety data sheet.
<b>Environmental Precautions:</b> Do not discharge onto the ground or into water courses.

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Company Registration No 4309966 Registered in England



<b>Spill Clean Up Methods:</b>	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.
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<b>7. HANDLING AND STORAGE</b>	
<b>Usage Precautions:</b>	Avoid spilling, skin and eye contact. Provide goods ventilation
<b>Storage Precautions:</b>	Store in tightly closed original container in a dry, cool well ventilated place.

<b>8. EXPOSURE CONTROLS AND PERSONAL PROTECTION</b>	
<b>Protective Equipment:</b>	 
<b>Engineering Measures:</b>	Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk if inhalation of vapours.
<b>Respiratory Equipment:</b>	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
<b>Hand Protection:</b>	Use suitable protective gloves if risk of skin contact.
<b>Eye Protection:</b>	Wear approved safety goggles
<b>Other Protection:</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene Measures:</b>	DO NOT SMOKE IN WORK AREA Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance:</b>	Liquid.
<b>Colour:</b>	Colourless.
<b>Odour / Taste:</b>	Characteristic Pungent.
<b>Solubility Description:</b>	Miscible with water.
<b>Relative Density:</b>	0.96
<b>Auto Ignition Temp (°C)</b>	>651
<b>pH Value Conc. Solution:</b>	>13
<b>Flammability Limit - Upper (%)</b>	27
<b>Flammability Limit - Lower (%)</b>	16


<b>10. STABILITY AND CHEMICAL PROPERTIES</b>	
<b>Stability:</b>	Stable under normal temperature conditions.
<b>Conditions to Avoid:</b>	Avoid excessive heat over long periods of time.
<b>Material to Avoid:</b>	Chlorine-based bleaching agents. Strong acids. Copper, Zink. Cadmium.
<b>Hazardous Decomposition Products:</b>	Fire creates: Vapours/gases/fumes of: Ammonia Oxides of : Nitrogen.

11. TOXICOLOGICAL INFORMATION	
<b>Inhalation:</b>	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
<b>Ingestion:</b>	May cause discomfort if swallowed.
<b>Skin Contact:</b>	Liquid may irritate skin.
<b>Eye Contact:</b>	Spray vapour in the eyes may cause irritation and smarting.

12. ECOLOGICAL INFORMATION	
<b>Ecotoxicity:</b>	The product may affect the acidity (pH factor) in water with a risk of harmful effects to aquatic organisms.
<b>Mobility:</b>	This product is miscible with water. May spread in water systems.
<b>Bioaccumulation:</b>	May accumulate in soil and water systems.

13. DISPOSAL CONSIDERATIONS	
<b>General Information:</b>	Do not puncture or incinerate even when empty.
<b>Disposal Methods:</b>	Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION	
<b>Label for Conveyance:</b>	No transport warning signs required.
<b>Road:</b>	Not classifies.
<b>Rail:</b>	Not Classified.
<b>Sea:</b>	Not Classified.
<b>Air:</b>	Not Classified.

15 REGULATORY INFORMATION	
<b>Labels for Supply:</b>	 IRRITANT
<b>Risk Phrases:</b>	R-36/37/38 – Irritating to eyes, respiratory system and skin.
<b>Safety Phrases:</b>	S-24/25 Avid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-27 Wear suitable gloves. S51 Use only in well-ventilated areas. S60 This material and its container must be disposed of as hazardous waste.
<b>Statutory Instruments:</b>	Chemicals (Hazard information and Packaging) Regulations.
<b>Approved Code of Practice:</b>	Classification and Labelling of Substances and Preparations Dangerous for supply. Safety Data Sheets for Substances and Preparations.
<b>Guidance Notes:</b>	Workplace Exposure Limits EH40. CHiP for everyone HSG(108).

16. OTHER INFORMATION	
<b>Revision Comments:</b>	Data sheet is in accordance with CHiP (1994)

<b>Revision Date:</b>	12.11.2014
<b>Replaces SDS Issued:</b>	09.02.2011
<b>SDS No.</b>	2
<b>RISK PHRASES IN FULL</b>	
<b>R22</b>	Harmful if swallowed.
<b>R36/38</b>	Irritating to eyes and skin.
<b>R38</b>	Irritating to skin.
<b>R41</b>	Risk of serious damage to eyes.

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 the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.