

## Moss and Mildew Remover

### MATERIAL SAFETY DATA SHEET (MSDS)

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name : Moss and Mildew Remover  
Product code : NXMM1

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. To remove moss & mildew from surfaces

##### 1.3. Details of the supplier of the safety data sheet

**ZYAX CHEM PVT. LTD.,**  
3rd Floor, Kamer Building,  
38 Cawasji Patel Street, Fort,  
Mumbai - 400001, India.  
Contact No: +91 8779240420  
info@zyax.in - www.zyax.in

##### 1.4. Emergency telephone number

Emergency number : +91 22 2757 3899

#### SECTION 2: HAZARDS IDENTIFICATION

Severe eye irritant. Corrosive to skin – repeated or prolonged contact may result in dermatitis or skin sensitisation. Ingestion can cause burning pain in mouth, throat and abdomen – May be fatal if ingested. Inhalation of mists can produce respiratory irritation.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation of the preparation:

Contains: : N-Dodecyl/tetradecyl-N, N-dimethyl benzyl ammonium chloride  
Content : 9.9%  
CAS Reg No : 8001-54-5



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### SECTION 4: FIRST AID MEASURES

After contact with the eyes:

Immediately rinse eyes with running water for at least 15 minutes.

Seek medical attention immediately.

After contact with the skin:

Remove contaminated clothing. Wash affected area thoroughly with soap and water.

After inhalation:

If safe to do so, remove from exposure, give artificial respiration if required. Seek medical attention immediately.

Ingestion:

Seek immediate medical attention. If conscious, give 3-4 glasses of milk (or if unavailable, water.)

DO NOT INDUCE VOMITING.

Note to physician:

Probable mucosal damage may contraindicate use of gastric lavage.

Single dose of activated charcoal is the recommended gastrointestinal decontamination procedure - Adult 50-100g, Child 1-2 g/kg

### SECTION 5: Firefighting measures

Extinguishing media:

Suitable

: all

Special Fire Fighting Procedures

: This product is not flammable.

Unusual Fire and explosion hazards

:

Hazardous products of combustion

: Toxic organic vapours, amines, oxides of carbon and nitrogen & hydrogen chloride.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental release measures

Spills:

Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated.

Large amounts: Do not allow the product to enter drains, sewers or waterways. Remove leaking containers to a detached area.

Bund spill area and recover – consider recycling. Absorb spilled product with inert material (e.g. sand, earth etc.)

Small amounts: Wash away with plenty of water.

Floors may become slippery.

NB. Vigorous flushing may generate copious foam.

Disposal: Dispose of waste in accordance with local authority bylaws.

Cleaning of Equipment: Clean with water.

### SECTION 7: HANDLING AND STORAGE

Handling:

Measures to prevent fire and explosion: No special measures required.

Avoid eye contact. Wear chemical type goggles or safety glasses. Wear PVC gloves and protective clothing.

Storage:

Do not contaminate drinking water, food or feed by storage or disposal.



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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Personal protective equipment:

Eye protection: Safety glasses/ goggles

Hand protection: PVC gloves

Skin and body protection: Protective clothing, PVC apron and boots.

Respiratory protection: Approved respirator for organic vapours when vapour or mist may be generated.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Colour	: Clear liquid
Odour	: No information available
Boiling point (°C)	: No information available
Flash point (°C)	: Not flammable
Max. % volatile	: No information available
Density at 20°C, g/ml	: No information available
Solubility in water	: soluble

### SECTION 10: STABILITY AND REACTIVITY

Stability	: Stable under normal operating conditions.
Materials to avoid	: Avoid contact with all acids, reducing agents, nitrogen oxides, amines, ammonia or other nitrogen containing compounds
Hazardous decomposition products	: Toxic vapors including chlorine and organochlorine compounds
Dangerous reactions	: None.

### SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects	: Swallowed: Toxic if swallowed
Eye	: Corrosive.
Skin	: Corrosive.
Inhaled	: Irritating if inhaled.
Acute oral toxicity	: LD50 oral (rat) 2400 mg/kg
Skin irritation	: Rabbit: severe irritant – 80% active soln. 72 hours, not reversed rat: severe irritant- 6-10% repeated exposures 2 weeks. Rat: mild to moderate irritant- 3% repeated exposures for 2wks Rat: non-irritant – 0.1% repeated exposures 2 weeks
Eye irritation	: Rabbit: severe irritant – 80% active caused irritation that did not clear by day 3, post-dose. Rabbit: non-irritant – 5ppm repeated exposures 3 weeks.
Sensitisation	: Guinea pig: not sensitising.
Reproductive toxicity	: rat: not teratogenic. Rat: 2 generation study –no neonatal/parental effects at 1000ppm, Observed at 2000 ppm.



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### SECTION 12: ECOLOGICAL INFORMATION

Persistence/degradability	: Biodegradable in concentrations below 20 ppm.
Aquatic toxicity	: LC50 Bluegill sunfish: 2.35 ppm 96 hrs (for closely related 80% product) : LC50 Rainbow trout: 7.8 ppm 96 hours (for closely related 80% product)
Avian toxicity	: LC50 Bobwhite quail 2700 ppm 8 days (for closely related 80% product) : LC50 Mallard duck >4500 ppm 8 days (for closely related 80% product)

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with local authority bylaws.  
Disposal of empty container: Triple rinse then send to drum recycling facility.

### SECTION 14: TRANSPORT INFORMATION

CONSUMER COMMODITY, ORM-D (US & possessions) 0.5gallon - 800003, 800033CA, W28800003  
2 x 0.75 gallon – 800012 and 800013  
1 gallon – 800006, 800066CA, W28800006  
Proper Shipping name : Disinfectants, Corrosive liquid. N.O.S  
Packing group : 111  
Dangerous goods class : Class 8

### SECTION 15: REGULATORY INFORMATION

Labelling : Caution - Keep out of reach of children.

### SECTION 16: OTHER INFORMATION

The information given is based on our knowledge of this product at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the products for purposes other than those it is intended for. It is the sole responsibility of the user to take all precautions required in handling the product. We as manufacturer give the guarantee for the quality of the product.