

## HARD WATER BATHROOM CLEANER CONCENTRATE

### MATERIAL SAFETY DATA SHEET (MSDS)

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name : MR.RX N9 HARD WATER BATHROOM CLEANER CONCENTRATE  
Product code : -

##### 1.2. Recommended Use Uses advised against

It can be used for all fittings and walls in the bathroom such as tub, tiles, sink and fittings.

##### 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

##### 2.1. Classification

Classification for the undiluted product

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1



Signal Word  
Danger

Hazard Statements  
HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE.

**MR.RX N9 HARD WATER BATHROOM CLEANER CONCENTRATE****Precautionary Statements**

Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product.

Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth.

DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Take off contaminated clothing and wash it before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

Serious eye damage/eye irritation

Category 2A



Signal word: Warning

**Hazard and Precautionary Statements**

CAUSES SERIOUS EYE IRRITATION.

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Dispose of in accordance with all federal, state and local applicable regulations.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Mixtures**

Ingredient	Cas no	Composition
Phosphoric acid 85%	7664-38-2	02-10%
Butyl cellosolve	111-76-2	1-5%
Iso-propyl alcohol	67-63-0	1-3%
Nitric Acid	7697-37-2	0.1-3%
Proprietary Surfactant Blend	-	10-15%
Water	7732-18-5	60-87%

\*The specific chemical identity and/or exact percentage of this composition has been withheld as a trade secret

**SECTION 4: FIRST AID MEASURES**

Eye Contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
Skin Contact	: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation	: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Ingestion	: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.



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Most important symptoms and effects	: No information available.
Immediate medical attention and special treatment needed	: Not applicable.
Diluted Product:	
Eyes	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention
Skin	: No specific first aid measures are required
Inhalation	: No specific first aid measures are required
Ingestion	: IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

### SECTION 5: FIREFIGHTING MEASURES

Specific methods	: No special methods required
Suitable extinguishing media	: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards	: Corrosive material (See sections 8 and 10).
Special protective equipment for firefighters	: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Extinguishing media which must not be used for safety reasons	: No information available.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods	: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

### SECTION 7: HANDLING AND STORAGE

Handling	: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage	: Keep tightly closed in a dry, cool and well-ventilated place.
Aerosol Level (if applicable)	: Not applicable.



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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

## Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

## Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection	: Chemical-splash goggles.
Hand protection	: Chemical-resistant gloves.
Skin and body protection	: No personal protective equipment required under normal use conditions.
Respiratory protection	: No personal protective equipment required under normal use conditions.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

## Diluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

## Personal Protective Equipment

Eye protection	: Chemical-splash goggles.
Hand protection	: Chemical-resistant gloves.
Skin and body protection	: No personal protective equipment required under normal use conditions.
Respiratory protection	: No personal protective equipment required under normal use conditions.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Appearance	: Reddish purple colored solution
pH	: 0.-1.5
Density	: 10.53 gm/ml
Odor threshold	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not oxidizing.



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## SECTION 10: STABILITY AND REACTIVITY

## 10.1. Reactive Hazard

Not Applicable

## 10.2. Stability

The product is stable

## 10.3. Conditions to Avoid

None known.

## 10.4. Materials to avoid

Do not mix with any other product or chemical unless specified in the use directions.

## 10.5. Hazardous Decomposition Products

None reasonably foreseeable.

## SECTION 11: TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure:

Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact	: Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.
Eye contact	: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.
Ingestion	: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea. Symptoms may include vomiting, nausea, and/or feeling of general unwellness. Harmful if swallowed.
Inhalation	: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
Sensitization	: No known effects.
Target Organs (SE)	: None known
Target Organs (RE)	: None known

## Numerical measures of toxicity

ATE - Oral (mg/kg): 2000

ATE - Dermal (mg/kg): >5000

ATE - Inhalatory, mists (mg/l): >20

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	: No information available.
Persistence and Degradability	: No information available.
Bioaccumulation	: No information available.



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## SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product) : This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste.

Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product): This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated

RCRA Hazard Class (diluted product): Not Regulated

Contaminated Packaging: Do not re-use empty containers.

## SECTION 14: TRANSPORT INFORMATION

DOT/TDG/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

DOT (Ground) Bill of Lading Description: NOT REGULATED

IMDG (Ocean) Bill of Lading Description: NOT REGULATED

## SECTION 15: REGULATORY INFORMATION

## International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

## RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Potassium alkyl benzene sulfonate	85480-57-5	-	-	-	-
Benzyl alcohol	100-51-6	x	-	x	-
Diethylene glycol monoethyl ether	111-90-0	-	x	-	-
Alcohol ethoxylate	68002-97-1	-	-	-	-
Glycolic acid potassium salt	1932-50-9	-	-	-	-
Citric acid	77-92-9	-	-	-	-
Potassium Citrate	866-84-2	-	-	-	-

## CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethylene glycol monoethyl ether	111-90-0	3 - 7%	-	-	x

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Diethylene glycol monoethyl ether	x	-	-

## SECTION 16: OTHER INFORMATION

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product