

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product identifier:**

**Product form:** Mixture  
**Product name:** SHMP 40%

**Relevant identified uses of the substance or mixture and uses advised against:**

**Identified uses:** Industrial Chemical  
Water treatment  
**Uses advised against:** No additional information available

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## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification according to GB CLP (SI 2019:720 as amended):** Not classified

**Adverse physicochemical, human health and environmental effects:**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**Label elements:**

**Labelling according to GB CLP (SI 2019:720 as amended):** No labelling applicable

**Other hazards:** No additional information available

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substances:** Not applicable

**Mixtures:** This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

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#### 4. FIRST AID MEASURES

**Description of first aid measures:**

**First-aid measures general:** If you feel unwell, seek medical advice.

**First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

**First-aid measures after skin contact:** Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

**First-aid measures after eye contact:** Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**First-aid measures after ingestion:** Rinse mouth out with water. Call a poison centre or a doctor if you feel unwell.

**Most important symptoms and effects, both acute and delayed:**

**Symptoms/effects after inhalation:** May cause shortness of breath, tightness of the chest, a sore throat and cough.

**Symptoms/effects after skin contact:** May cause irritation to skin. Prolonged or repeated contact may cause skin to become dry.

**Symptoms/effects after eye contact:** May cause eye irritation.

**Symptoms/effects after ingestion:** May cause stomach cramps and vomiting. May be harmful if swallowed.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Water spray. Dry powder. Foam. Carbon dioxide. Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Special hazards arising from the substance or mixture:**

**Hazardous decomposition products in case of fire:** Toxic gases may be formed.

**Advice for firefighters:**

**Firefighting instructions:** Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

**General measures:** Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

**For non-emergency personnel**

**Protective equipment:** Wear recommended personal protective equipment.

**Emergency procedures:** Ventilate spillage area. Avoid contact with skin and eyes.

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**For emergency responders:**

**Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Emergency procedures:** Keep unnecessary and unprotected personnel away from the spillage. Wear personal protective clothing (see chapter 8). Stop leak if safe to do so. Follow precautions for safe handling described in this safety data sheet. Clear up spills immediately and dispose of waste safely. Always wash hands after handling the product.

**Environmental precautions:** Avoid release to the environment.

**Methods and material for containment and cleaning up:**

**For containment:** Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

**Methods for cleaning up:** Take up liquid spill into absorbent material.

**Other information:** Dispose of materials or solid residues at an authorised site.

**Reference to other sections:** Section 8. Section 11. Section 13.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

**Additional hazards when processed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Precautions for safe handling:** Ensure good ventilation of the workstation. Wear personal protective equipment.

**Hygiene measures:** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**Conditions for safe storage, including any incompatibilities:**

**Technical measures:** Keep in a cool, well-ventilated place away from heat.

**Storage conditions:** Keep container tightly closed. Store away from incompatible materials (see section 10).

**Packaging materials:** Store always product in container of same material as original container.

**Specific end use(s):** Industrial chemical. Water treatment.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters:**

**National occupational exposure and biological limit values:** No additional information available

**Recommended monitoring procedures:** No additional information available

**Air contaminants formed:** No additional information available

**DNEL and PNEC:** No additional information available

**Control banding:** No additional information available

**Exposure controls:**

**Appropriate engineering controls:** Ensure good ventilation of the workstation.

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**Personal protective equipment:** Wear recommended personal protective equipment.

**Personal protective equipment symbol(s):**



**Eye and face protection:**

**Eye protection:** Chemical goggles or face shield. Safety glasses.

Type	Field of application	Characteristics	Standard
Chemical goggles or safety glasses	Droplet, mist, water spray	Clear	EN 166

**Skin protection:**

**Skin and body protection:** Wear suitable protective clothing.

**Hand protection:** Protective gloves.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves					EN ISO 374-1

**Other skin protection:**

**Materials for protective clothing:** Wear protective clothing.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards:** No additional information available.

**Environmental exposure controls:** Avoid release to the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties:**

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Clear liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not available
<b>pH:</b>	7 (1% w/w aq. sol.)
<b>Melting point:</b>	Not applicable
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Flash point:</b>	Not available
<b>Explosive limits:</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour pressure at 50°C:</b>	Not available
<b>Relative vapour density at 20°C:</b>	Not available
<b>Relative density:</b>	Not available

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<b>Density:</b>	Not available
<b>Solubility:</b>	Soluble in water
<b>Partition coefficient n-octanol/water (Log Kow):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity, kinematic:</b>	Not available
<b>Explosive properties:</b>	Not available
<b>Other information:</b>	
<b>Particle characteristics:</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to avoid:</b>	Heat.
<b>Incompatible materials:</b>	Oxidising agents.
<b>Hazardous decomposition products:</b>	May cause release of thermal decomposition products. Carbon oxides (CO, CO <sub>2</sub> ). Toxic gases.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

<b>Acute toxicity (oral):</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Acute toxicity (dermal):</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Acute toxicity (inhalation):</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Skin corrosion/irritation:</b>	Not classified (Based on available data, the classification criteria are not met) pH: 7 (1% w/w aq. sol.)
<b>Serious eye damage/irritation:</b>	Not classified (Based on available data, the classification criteria are not met) pH: 7 (1% w/w aq. sol.)
<b>Respiratory or skin sensitisation:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Germ cell mutagenicity:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Carcinogenicity:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Reproductive toxicity:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>STOT-single exposure:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>STOT-repeated exposure:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Aspiration hazard:</b>	Not classified (Based on available data, the classification criteria are not met)
<b>Other information:</b>	No additional information available

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**12. ECOLOGICAL INFORMATION**

**Toxicity:**

**Ecology – general:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**Hazardous to the aquatic environment, short-term (acute):**

Not classified (Based on available data, the classification criteria are not met).

**SHMP 40%:**

**Persistence and degradability:** Not biodegradable. composition: inorganic compounds.

**SHMP 40%:**

**Bioaccumulative potential:** No data available.

**SHMP 40%:**

**Mobility in soil:**

**Ecology – soil:** Soluble in water.

**Results of PBT and vPvB assessment:** No additional information available.

**Other adverse effects:** No additional information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods:**

**Regional waste regulation:** Disposal must be done according to official regulations.

**Waste treatment methods:** Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Sewage disposal recommendations:** Disposal must be done according to official regulations.

**Product/Packaging disposal recommendations:** Disposal must be done according to official regulations.

**Additional information:** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**In accordance with ADR / IMDG / ADN / RID:**

**UN number:** Not regulated

**UN proper shipping name:** Not regulated

**Transport document description:** Not regulated

**Transport hazard class(es):** Not regulated

**Packing group:** Not regulated

**Environmental hazards:** Not regulated

**Special precautions for user:**

**Overland transport:** Not regulated

**Transport by sea:** Not regulated

**Rail transport:** Not regulated

No supplementary information available.

**Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

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**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**National regulations:**

**UK REACH Annex XVII (Restriction List):** This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure.

**UK REACH Annex XIV (Authorisation List):** This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure.

**UK REACH Candidate List (SVHC):** This product contains no substance(s) listed on the UK REACH Candidate List (SVHC) above the 0.1% level of disclosure.

**GB PIC regulation (Prior Informed Consent):** This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure.

**POP Regulation (Persistent Organic Pollutants):** This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure.

**Ozone Regulation (S.I. No. 168 of 2015):** This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure.

**Control of Poisons and Explosives Precursors Act:** This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure.

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure.

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure.

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

**Drug Precursors Regulation (EC 273/2004):** This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure.

**Chemical safety assessment:** No additional information available.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Legal disclaimer:** The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.