MATERIAL SAFETY DATA SHEET

Sodium Xylene Sulfonate 40% (SXS-40%)

Section 1: Chemical Product and Company Identification

Product identifier: SXS-40%

Recommended use: Surfactant

Recommended restrictions: For industrial use only.

Manufacturer/Supplier: Cosmo Chemistry India Pvt. Ltd.

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Section 2: Composition and Information on Ingredients

Mixtures:

Chemical name	CAS number	%
Water	7732-18-5	<60
Sodium Xylenesulfonate (SXS)	1300-72-7	>40
Sodium sulfate	7757-82-6	<2.5

Section 3: Hazards Identification

Physical hazards: Not classified.

Health hazards: Serious eye damage/eye irritation – Category 2A

Environmental hazards: Not classified.

OSHA defined hazards: Not classified.

Signal word: Warning

Hazard statement: Causes serious eye irritation.

Precautionary statement:

Prevention: Wash thoroughly after handling. Wear eye/face protection.
Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage: Store away from incompatible materials.
Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: Not applicable.

Section 4: First Aid Measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5: Fire and Explosion Data

Suitable extinguishing media: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting equipment/instructions: Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store in original tightly closed container.

Section 8: Exposure Controls/Personal Protection

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Hand protection: For prolonged or repeated skin contact use suitable protective gloves.

Other (skin protection): Wear suitable protective clothing.

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

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Parameter	Value
Physical state	Liquid
Form	Liquid
Color	Clear
Odor	Not available
Odor threshold	Not available
pH	7 – 10 (as is)
Melting point/freezing point	19.4 °F (-7 °C)
Initial boiling point and boiling range	Not available
Flash point	> 201.0 °F (> 93.9 °C) Pensky-Martens Closed Cup
Evaporation rate	Estimated slower than ethyl ether
Flammability (solid, gas)	Not available
Flammability limit – lower (%)	Not available
Flammability limit – upper (%)	Not available
Explosive limit – lower (%)	Not available
Explosive limit – upper (%)	Not available
Vapor pressure	Not determined or unknown
Vapor density	Estimated lighter than air
Relative density	Not available
Solubility (water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	7 cP @ 25 °C
Pour point	19.4 °F (-7 °C)
Specific gravity	1.12 – 1.18 @ 25 °C

Section 10: Stability and Reactivity Data

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

Section 11: Toxicological Information

Harmful if swallowed, inhaled or absorbed through skin.

Test	Result
Primary skin irritation in rabbit	Very slight irritant
Mucous membrane irritation in rabbit	No irritation
Oral rat LD50	9642 mg/kg

Section 12: Ecological Information

Data not available.

Section 13: Disposal Considerations

Refer to your local rules and regulations for disposal.

Section 14: Transport Information

UN hazard classification: Non-hazardous compound.

Section 15: Other Regulatory Information

Labeling according to EC directives.

Risk phrases: This product is not classified according to the EU regulations. National legislation not applicable.

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

Other Special Considerations: Not available.

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