Ministry of Employment and Labor	Material Safety Data Sheet	Industrial Accident Prevention Korea Occupational Safety and Health Agency (KOSHA)

AA05908-1000003018

1. PRODUCT AND COMPANY IDENTIFICATION

A. Product Name: Sodium xylene sulphonate (SXS 40%)

B. Recommended Use and Restrictions on Use

Recommended Use	Cleaning and washing agents, intermediates, solvents, surfactants/surface-active agents, others (e.g., anti-caking agents)
Restrictions on Use	Any use other than the recommended applications

C. Supplier Information (For imports, provide local supplier information for emergency contact)

Company Name	GloryGlobal Co., Ltd.
Address	Room 1004, Seoul-Technopark, inside Seoul Tech, 232, Gongneung-ro, Nowon-gu, Seoul, Korea 01811
Emergency Contact Number	02-6223-0862

2. Hazards identification

A. Classification of hazards and risks

Serious eye damage/eye irritation	Category 2

B. GHS label elements, including precautionary statements

Pictogram

Signal word	Warning
Hazard statement	H319 – Causes serious eye irritation

Precautionary statements	Prevention	P264 Wash thoroughly after handling.
		P280 Wear protective gloves/protective clothing/eye protection/face protection.
	Response	P337+P313 If eye irritation persists: Get medical advice/attention.
		P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Storage	Not applicable
	Disposal	Not applicable

C. Other hazards which do not result in classification

No data available

3. Composition/Information on Ingredients

Chemical name	CAS No.	EC No.	Content (%)
Sodium xylene sulphonate	1300-72-7 (KE-11217)	-	40.0~42.0%
Sodium sulfate	7757-82-6	-	≤2.0%
Water	7732-18-5	-	58.0~60.0%

4. First Aid Measures

A. Inhalation

Keep the affected person warm and at rest.

Move to fresh air.

If breathing is difficult, administer oxygen.

If not breathing, perform artificial respiration.

B. Skin contact

In case of minor contact, prevent the spread of contamination.

Seek immediate medical attention.

If the substance is hot, immerse or rinse the affected area with plenty of cold water to dissipate heat.

Immediately wash skin and eyes with running water for at least 20 minutes after contact.

Remove contaminated clothing and shoes and isolate the contaminated area.

Wash contaminated clothing before reuse.

If skin irritation occurs, seek medical advice/attention.

C. Eye contact

Seek immediate medical attention.

Immediately flush eyes (and skin if exposed) with running water for at least 20 minutes.

D. Ingestion

Seek immediate medical attention.

E. Notes to physician

Ensure that medical personnel are aware of the material involved and take appropriate protective measures.

5. Firefighting Measures

A. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, or water spray. For smothering, use dry sand or earth.

Unsuitable extinguishing media: No data available.

B. Specific hazards arising from the chemical

Containers may explode when heated.

Non-flammable: the substance itself does not burn, but may decompose upon heating to produce corrosive/toxic fumes.

Some materials may burn, but do not ignite easily.

Irritating and highly toxic gases may be generated during thermal decomposition or combustion.

C. Special protective actions for firefighters

Rescuers should wear appropriate protective equipment.

Contain and dike fire water to prevent the spread of material.

Exercise caution as the substance may be transported in molten form.

If safe to do so, move containers away from the fire area.

Fight fire from a safe distance and maintain a protective location.

For large tank fires, use unmanned firefighting equipment if possible; if not, withdraw and allow the fire to burn.

After extinguishing, continue cooling containers with large amounts of water.

Evacuate immediately if there is a rising sound from venting safety devices or discoloration of the tank.

For tank fires, fight from the maximum possible distance or use unmanned equipment.

Withdraw from tanks engulfed in flames.

6. Accidental Release Measures

A. Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources.

Wipe up spills immediately and follow protective measures under Personal Protection.

Stop the leak if it is safe to do so.

Do not touch damaged containers or spilled material without wearing suitable protective equipment.

Cover spills with plastic sheeting to prevent spreading.

Pay attention to incompatible materials and conditions to avoid.

B. Environmental precautions

Prevent entry into waterways, sewers, basements, or confined areas.

C. Methods and materials for containment and cleaning up

Small spill:
Absorb with sand or other non-combustible material.
Place the absorbed material in appropriate containers for disposal.
Move storage containers to a safe location.
For powder spills, cover with plastic sheeting to prevent spreading and keep dry.
Collect absorbed material with inert substances (e.g., dry sand or soil) and place in chemical waste containers.

Large spill:
Dike far ahead of liquid spill for later disposal.
Restrict access and isolate the hazard area; prevent entry of unauthorized personnel.
Notify relevant authorities if the release exceeds regulatory reportable quantities.

7. Handling and Storage

A. Precautions for safe handling

Refer to engineering controls and personal protective equipment before use.

Even when containers are emptied, product residues may remain; follow the MSDS precautionary measures.

Wash thoroughly after handling.

Avoid incompatible materials and conditions.

B. Conditions for safe storage, including any incompatibilities

Store and handle in accordance with applicable laws and regulations.

For drums: maintain at 20–40 °C.

For bulk tanks: maintain at 35–50 °C.

8. Exposure Controls/Personal Protection

A. Control parameters

No data available

B. Appropriate engineering controls

Facilities for eye washing and body washing should be installed where this material is stored or used.

C. Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection	Respiratory protection is required in cases of frequent use or heavy exposure.
Eye protection	Wear suitable safety goggles.
Skin protection	Wear suitable chemical-resistant gloves.
Body protection	Wear suitable chemical-resistant protective clothing.

9. Physical and Chemical Properties

A. Appearance

Physical state	Liquid
Color	Clear yellow liquid
B. Odor	Characteristic odor
C. Odor threshold	Not available
D. pH	7.0~10.0 (3% aqueous solution)
E. Melting point/Freezing point	10℃
F. Initial boiling point and boiling range	Not available
G. Flash point	Not applicable
H. Evaporation rate	Not available
I. Flammability (solid, gas)	Not applicable
J. Upper/lower flammability or explosive limits	Not applicable
K. Vapor pressure	Not available
L .Solubility	664g/L @20℃ water (based on SXS100%)
M. Vapor density	Not available
N. Specific gravity (Relative density)	1.16
O. Partition coefficient n-octanol/water (log Pow)	log Pow 3.12 @20℃, pH11.96, SXS100%
P. Auto-ignition temperature	320.9℃ @1atm, SXS100%
Q. Decomposition temperature	258℃ @SXS100%
R. Viscosity	7cps @25℃
S. Molecular weight	208

10. Stability and Reactivity

A. Chemical stability

This substance is stable under normal storage and handling conditions.

B. Possibility of hazardous reactions

Containers may explode if heated.

C. Conditions to avoid

Heat, sparks, flames, and other ignition sources.

D. Incompatible materials

Flammable materials, reducing agents.

E. Hazardous decomposition products

During thermal decomposition or combustion, irritating and highly toxic gases may be generated, including corrosive/toxic fumes.

11. Toxicological Information

A. Information on likely routes of exposure

Data not available.

B. Health hazards

Acute toxicity	LD50 (Oral, Rat)	> 7,200mg/kg
	LD50 (Dermal, Rabbit)	LD50 > 2,000mg/kg
	LD50 (Inhalation, Rat)	Not available
Skin corrosion/irritation		Skin irritation (Rabbit): Not irritating
Serious eye damage/eye irritation		Eye irritation (Rabbit, OECD TG405): Irritating
Respiratory sensitization		Not available
Skin sensitization		Skin sensitization (Guinea pig): Not sensitizing
Germ cell mutagenicity		Mutagenicity / Genotoxicity: Negative in reverse mutation and mammalian chromosome aberration tests
Carcinogenicity		Carcinogenicity: Not carcinogenic
Reproductive toxicity		Not available
STOT – single exposure		Not classified
STOT – repeated exposure		Not classified
Aspiration hazard		Not available

12. Ecological Information

A. Ecotoxicity

Acute toxicity		Time	Species	Test method	Evaluation	Remarks
Fish	> 1,000mg/L	96h	Fish	LC50	N/A	N/A
Daphnia	> 1,000mg/L	48h	Daphnia	EC50	N/A	N/A
Algae	≥ 230A.I./L	96h	Algae	EC50	N/A	N/A

B. Persistence and degradability

No data available

C. Bioaccumulative potential

Biodegradability: 98% (28 days)

Bioaccumulation: No data available

D. Mobility in soil

No data available

E. Other adverse effects

No data available

13. Disposal Considerations

A. Waste treatment methods

Dispose of in accordance with applicable regulations under the Waste Management Act.

B. Precautions for disposal

Follow applicable regulations under the Waste Management Act when disposing of the material.

14. Transport Information

	ADR/RID	IMDG	ICAO/IATA
UN No.	Not applicable	Not applicable	Not applicable
UN Proper Shipping Name	Not applicable	Not applicable	Not applicable
Transport hazard class	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	Not applicable	Not applicable	Not applicable
Special precautions	Not applicable	Not applicable	Not applicable
Bulk transport in accordance with MARPOL 73/78 Annex II and IBC Code	Not applicable	Not applicable	Not applicable

15. Regulatory Information

A. Regulations under the Occupational Safety and Health Act: Not applicable

B. Regulations under the Chemical Substances Control Act: Not applicable

C. Regulations under the Dangerous Goods Safety Management Act: Not applicable

D. Regulations under the Waste Management Act: Not available

E. Other national and international regulations: Not available

16. Other Information

A. Sources of information: National Institute of Environmental Research, Korea Occupational Safety and Health Agency (KOSHA), European Chemicals Agency (ECHA)

B. Date of first issue: 2006.12.13

C. Number of revisions and date of latest revision

Number of revisions: 14

Date of latest revision: 2025-08-19

D. Reason for revision: Partial amendments and updates

This information is believed to be reliable; however, it is provided without warranty regarding its accuracy or suitability.