



a xylem brand

SAFETY DATA SHEET

1. Product and company identification

Material name YSI 2392 SODIUM CHLORIDE
Version No. 01
Issue date 11-December-2013
Revision date -
Supersedes date -
CAS No. 7647-14-5
Manufacturer information YSI, Inc
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2. Hazards Identification

Emergency overview WARNING
Causes eye irritation.

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Eyes Causes eye irritation. Do not get this material in contact with eyes.

Skin Avoid contact with the skin.

Inhalation Do not breathe dust/fume/gas/mist/vapors/spray.

Ingestion Do not ingest.

Chronic effects None known.

Signs and Symptoms Symptoms include itching, burning, redness, and tearing of eyes.

3. Composition/Information on Ingredients

Components	CAS No.	Percent
Sodium chloride	7647-14-5	100

4. First aid measures

First aid procedures

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.

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

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.

Ingestion Rinse mouth. Do not induce vomiting without advice from poison control centre. Get medical attention if symptoms occur.

Notes to physician Provide general supportive measures and treat symptomatically.

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

5. Fire Fighting Measures

Extinguishing media

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.
Protection of firefighters	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.
Explosion data	
Sensitivity to static discharge	Not established.
Sensitivity to mechanical impact	Not established.

6. Accidental release measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8.
Environmental precautions	Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.
Methods for cleaning up	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Never return spills in original containers for re-use. For waste disposal, see section 13.

7. Handling and storage

Handling	Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear personal protective equipment. Wash thoroughly after handling.
Storage	Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep away from incompatible material.

8. Exposure controls / personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear suitable protective clothing. For prolonged or repeated skin contact use suitable protective gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

9. Physical & Chemical Properties

Appearance	Not available.
Physical state	Solid.
Form	Powder
Colour	White.
Odour	Odourless.
Odour threshold	Not available.
pH	6.5 - 7.5
Vapour pressure	Not available.
Vapour density	Not available.
Boiling point	Not available.

Melting point/freezing point	Not available.
Solubility (water)	Infinitely soluble
Specific gravity	Not available.
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Molecular weight	58.44

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	None known.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	No hazardous decomposition products are known.
Possibility of hazardous reactions	Polymerization will not occur.

11. Toxicological information

Toxicological data

Components	Species	Test results
Sodium chloride (CAS 7647-14-5)		
Acute		
ORAL		
LD50	Rat	3000 mg/kg
Local effects	Irritating to eyes.	
Chronic effects	Not expected to be hazardous by WHMIS criteria.	
Carcinogenicity	Not listed by ACGIH, IARC, NIOSH, NTP or OSHA. Based on available data, the classification criteria are not met.	
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Reproductive effects	Based on available data, the classification criteria are not met.	
Symptoms and target organs	Symptoms include itching, burning, redness, and tearing of eyes.	

12. Ecological information

Ecotoxicological data

Components	Species	Test results
Sodium chloride (CAS 7647-14-5)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 340.7 - 469.2 mg/l, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>) 1294.6 mg/l, 96 hours
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
Persistence and degradability	Not available.	
Bioaccumulation / Accumulation	Not bioaccumulative.	

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information**TDG**

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information**Canadian regulations**

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS Classification

D2B - Other Toxic Effects-TOXIC

WHMIS labeling**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION**HMIS® ratings**

Health: 2
Flammability: 0
Physical Hazard: 0

NFPA ratings

Health: 2
Flammability: 0
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.