



a xylem brand

# SAFETY DATA SHEET

## 1. Product and company identification

**Material name** YSI 2392 SODIUM CHLORIDE  
**Version No.** 01  
**Issue date** 17-January-2017  
**Revision date** -  
**Supersedes date** -  
**CAS No.** 7647-14-5  
**Manufacturer information** YSI, Inc  
 1700/1725 Brannum Lane  
 Yellow Springs, Ohio 45387  
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 (937) 767-7241  
 CHEMTREC (US/Canada) (800) 424-9300  
 CHEMTREC (International) 011 703-527-3887  
 (Collect calls accepted)

## 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).

|   |  |
|---|--|
| <b>Unsuitable extinguishing media</b>             | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Protection of firefighters</b>                 |  |
| <b>Specific hazards arising from the chemical</b> | During fire, gases hazardous to health may be formed.  |
| <b>Protective equipment for firefighters</b>      | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire fighting equipment/instructions</b>       | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. |
| <b>Explosion data</b>                             |  |
| <b>Sensitivity to static discharge</b>            | Not established.   |
| <b>Sensitivity to mechanical impact</b>           | Not established.   |

## 6. Accidental release measures

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | 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. |
| <b>Environmental precautions</b> | Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.  |
| <b>Methods for cleaning up</b>   | 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

|                 |  |
|-----------------|--|
| <b>Handling</b> | 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. |
| <b>Storage</b>  | Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep away from incompatible material.  |

## 8. Exposure controls / personal protection

|                                      |  |
|--------------------------------------|--|
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).  |
| <b>Engineering controls</b>          | 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. |
| <b>Personal protective equipment</b> |  |
| <b>Eye / face protection</b>         | Wear safety glasses with side shields (or goggles).  |
| <b>Skin protection</b>               | Wear suitable protective clothing. For prolonged or repeated skin contact use suitable protective gloves.  |
| <b>Respiratory protection</b>        | In case of insufficient ventilation, wear suitable respiratory equipment.  |

## 9. Physical & Chemical Properties

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

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

## 10. Chemical Stability & Reactivity Information

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

## 11. Toxicological information

### Toxicological data

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

## 12. Ecological information

### Ecotoxicological data

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

## 13. Disposal considerations

|  |   |
|--|---|
| <b>Disposal instructions</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| <b>Waste from residues / unused products</b> | 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.