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: YSI, Inc
1700/1725 Brannum Lane
Yellow Springs, Ohio 45387
MSDSInfo@ysi.com
(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
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 | Rat | 3000 mg/kg
LD50 |  |  
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 (Daphnia magna) | 340.7 - 469.2 mg/l, 48 hours
Fish | LC50 | Bluegill (Lepomis macrochirus) | 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

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

*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.