



# SOLAR SOFT

## Safety Data Sheet

EMERGENCY PHONE: 800-553-8011

Revision Date: 6/03/2025

NFPA: Health 0, Fire 0, Reactivity 0

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### 1. IDENTIFICATION

TRADE NAME: SOLAR SOFT

PRODUCT IDENTIFIER: Sodium Chloride  
CAS #: 007647-14-5

MANUFACTURER: OSSIAN INC., 635 SOUTH ELMWOOD AVE, DAVENPORT, IOWA 52802  
EMERGENCY PHONE: 800-553-8011

PRODUCT USE: Water Conditioning Salt

RECOMMENDED RESTRICTIONS: None known.

### 2. HAZARD(s) IDENTIFICATION:

Physical Hazards: Not classified

Health Hazards: Not classified

Environmental Hazards: Not classified

WHMIS 2015 defined hazards: Not classified.

GHS LABELING PICTOGRAM:

None.

GHS SIGNAL WORD:

None.

HAZARD STATEMENT: This product and/or mixture does not meet the criteria for classification.

#### PRECAUTIONARY STATEMENT:

PREVENTION: Observe good industrial hygiene practices.

RESPONSE: Wash hands after handling.

STORAGE: Store away from incompatible materials, i.e. strong oxidizing agents (see Section 10)

DISPOSAL: Dispose of waste and residues in accordance with local authority requirements.

WHMIS 2015 Health Hazard(s) None known  
not otherwise classified  
(HHNOC)

WHMIS 2015 Physical Hazard(s) None known  
not otherwise classified  
(HHNOC)

Hazard(s) not otherwise  
classified (HHNOC) None known

Supplemental Information Not applicable



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### 3. COMPOSITION

**MIXTURE:** Non-hazardous by WHMIS Criteria.

#### COMPOSITION COMMENTS:

The criteria for listing components in this section are: Carcinogens, Respiratory Sensitizers, Mutagens, Teratogens and Reproductive toxins are listed when present at 0.1% or greater; components which are otherwise hazardous according to WHMIS/OSHA are listed when present at 1.0% or greater. Non-hazardous components are not listed. The products pertaining to this SDS have various proportions of components which do not meet the listing criteria.

### 4. FIRST-AID MEASURES:

**FIRST AID INHALATION:** Avoid breathing dust. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**FIRST AID SKIN:** Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**FIRST AID EYE:** Rinse with water. Get medical attention if irritation develops and persists.

**FIRST AID INGESTION:** Rinse mouth. If ingestion of a large amount does occur, seek medical attention.

### 5. FIRE-FIGHTING MEASURES:

**EXTINGUISHING MEDIA:** Use extinguishing agents appropriate for surrounding fire.

**FIRE HAZARD:** This material does not burn. Not considered to be a fire hazard.

**EXPLOSION:** Not considered to be an explosion hazard.

**PRODUCTS OF COMBUSTION:** Decomposes when heated to temperatures above 801 degrees C. May release toxic fumes of chlorine and sodium oxides.

### 6. ACCIDENTAL RELEASE MEASURES:

**EMERGENCY PROCEDURES:** Restrict area to facilitate clean up

**CLEAN UP:** Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS.

**ENVIRONMENTAL PRECAUTIONS:** Avoid direct release into waterways and sewers.

### 7. HANDLING AND STORAGE:

**HANDLING PROCEDURES:** Use care in handling/storage. Avoid breathing dust.



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**STORAGE:**

Store in cool, dry well-ventilated area, removed from acids. Ensure packaging is adequately labeled and protected from physical damage.

Incompatible with sulphuric and nitric acids, caustics, but no other critical requirements.

Will corrode uncoated metal in storage location.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

**OCCUPATIONAL EXPOSURE LIMITS:** No exposure limits noted for ingredient(s).

**BIOLOGICAL LIMIT VALUES:** No biological exposure limits noted for the ingredient(s).

**ENGINEERING CONTROLS:**

TWA PEL: No specific limits have been established for sodium chloride (a soluble substance). As a guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL.

TWA TLV: No specific limits have been established for sodium chloride (a soluble substance). As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

**EYE PROTECTION:** Safety glasses if eye contact is possible.

**SKIN PROTECTION:** If there is constant skin contact, suitable gloves and/or protective clothing is recommended.

**RESPIRATORY:** No personal respiratory protective equipment is normally required. For excessive dust NIOSH approved filtering face piece may be necessary.

**GENERAL HYGIENE:** 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE (PHYSICAL STATE, COLOR, ETC)</b>	Crystalline solid, color varies
<b>ODOR:</b>	Odorless
<b>ODOR THRESHOLD:</b>	NA
<b>pH (5% SOLV/WATER):</b>	6 to 8 (Neutral)
<b>MELTING/FREEZING POINT:</b>	NA
<b>INITIAL BOILING POINT:</b>	NA
<b>FLASH POINT:</b>	NA



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EVAPORATION RATE:	NA
FLAMMABILITY:	NA
UPPER FLAMMABILITY LEVEL (air):	NA
LOWER FLAMMABILITY LEVEL (air):	NA
VAPOR PRESSURE:	NA
VAPOR DENSITY (air=1):	NA
SPECIFIC GRAVITY (water=1):	NA
SOLUBILITY:	Readily soluble in water
PARTITION COEFFICIENT: N-OCTANOL/WATER	NA
AUTO-IGNITION TEMPERATURE:	NA
DECOMPOSITION TEMPERATURE:	NA
VISCOSITY:	NA

### 10. STABILITY & REACTIVITY:

REACTIVITY:	NA
CHEMICAL STABILITY:	Stable.
CONDITIONS TO AVOID:	None known.
POSSIBILITY OF HAZAROUS REACTIONS:	Hazardous polymerization does not occur.
INCOMPATIBLE MATERIALS:	Reactive with oxidizing agents, acids, lithium, and bromine trifluoride.
HAZARDOUS DECOMPOSITION PRODUCTS:	When heated to above 801 °C it emits toxic fumes of chlorine and sodium oxide.

### 11. TOXICOLOGICAL INFORMATION:

ROUTES OF ENTRY:	Inhalation, Ingestion
INGESTION:	Expected to be a low ingestion hazard.
INHALATION:	No adverse effects due to inhalation are expected.
SKIN CONTACT:	No adverse effects due to skin contact are expected.
EYE CONTACT:	Direct contact with eyes may cause temporary irritation.
ACUTE:	<p>Ingestion in large amounts (greater than 0.5 kg) can cause gastrointestinal upset and irritation of the stomach with nausea and vomiting. May affect behavior, sense organs, metabolism and cardiovascular system.</p> <p>Continued exposure may produce dehydration, internal organ congestion.</p> <p>The material can be irritating to the mucous membranes and upper respiratory tract.</p>
CHRONIC:	In severe cases Sodium Chloride can cause damage to kidneys, raise blood pressure, heartburn, osteoporosis, gastric cancers, and ventricular hypertrophy.



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### 12. ECOLOGICAL INFORMATION;

The product itself and its products of degradation are not toxic.

#### ENVIRONMENT:

This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.

Solution is highly saline and large spills could potentially cause flora mortality.

### 13. DISPOSAL CONSIDERATIONS: (See Section 14 for Regulatory Information)

Reuse or recycle if possible. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Report spills if applicable. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Landfill and waste water treatment system.

### 14. TRANSPORT INFORMATION:

#### UNITED STATES DOT INFORMATION:

This product is not regulated by D.O.T. when shipped domestically by land.

#### CANADIAN TDG INFORMATION:

This product is not regulated by T.D.G. when shipped domestically by land.

### 15. REGULATORY INFORMATION: (Not meant to be all-inclusive- selected regulations represented)

D.O.T. PROPER SHIPPING NAME:	N/A
HAZARDOUS SUBSTANCE 49CFR CERCLA:	N/A
D.O.T. HAZARD CLASS	N/A
D.O.T. LABELS REQUIRED	N/A
D.O.T. PLACARDS REQUIRED	N/A

### 16. OTHER INFORMATION:

#### ADDITIONAL HEALTH DATA COMMENT:

This Safety Data Sheet contains environmental, health and toxicological information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know / emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS. Discard any previous edition of this SDS.

Latest version of this SDS can be found at <http://www.OSSIAN.com> or by contacting [icemelt@ossian.com](mailto:icemelt@ossian.com)



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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in the Safety Data Sheet available to your employees.