1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**Sodium Chloride**
Chemical Formula	NaCl
Molecular Weight	58.44 g/mol
CAS No.	7647-14-5
EINECS/ELINCS No.	231-598-3
Common Synonyms	Common salt; halite; rock salt; saline; salt; sea salt; table salt; chlorine
Supplier Address*	ISOFLEX USA PO Box 472615 San Francisco CA 94147 United States
Telephone	+1 415-440-4433
Fax	+1 415-563-4433
Emergency Phone Number (both supplier and manufacturer)	Infotrac/ +1 800-535-5053 *May include subsidiaries or affiliate companies/divisions
Email	iusa@isoflex.com
Website	www.isoflex.com
Preparation Information	ISOFLEX USA Product Safety +1 415-440-4433

2. HAZARDS IDENTIFICATION

Physical Hazards	Not classified
Health Hazards	Not classified
OSHA-Defined Hazards	Not classified
Label Elements	
Hazard Symbol	None
Signal Word	None
Hazard Statement	The 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.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazards Not Otherwise Classified (HNOC)	None known

Emergency Overview:

NFPA Ratings: (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health Hazard = 1 **Flammability = 0** **Reactivity = 0**

HMIS Ratings: (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health Hazard = 1 **Flammability = 0** **Physical Hazard = 0**

HEALTH HAZARD	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

For additional information on toxicity, please refer to Section 10.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name	Sodium Chloride
Chemical Formula	NaCl
Molecular Weight	58.44 g/mol
CAS No.	7647-14-5

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4. FIRST AID MEASURES

Oral	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Consult physician. Wash mouth out with water.
Inhalation	If inhaled, remove to fresh air immediately. If breathing becomes difficult, or cough or other symptoms appear, call a physician. If not breathing, give artificial respiration.
Dermal Exposure	In case of contact, flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing. Seek medical aid if irritation develops or persists. Wash clothing before reuse.
Eye Exposure	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Most Important Effects	Direct contact with eyes may cause temporary irritation.
Notes to Physician	Treat symptomatically.

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5. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards	During fire, gases hazardous to health may be formed.
Special Protective Equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special Instructions	Use water spray to cool unopened containers.
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General Fire Hazards	Product is not flammable or combustible.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep unnecessary personnel away. Avoid inhalation of dust from spilled material. Use a NIOSH/MSHA-approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods for Cleanup	If sweeping of a contaminated area is necessary, use a dust-suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13.
Environmental Precautions	Avoid discharge into drains, water courses or the ground.

7. HANDLING AND STORAGE

Safe Handling	Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Avoid contact with water and moisture. Keep away from strong acids. Practice good housekeeping.
Safe Storage	Store in tightly-closed container in a well-ventilated place. Store away from incompatible materials (see section 10). Avoid humid or wet conditions, as product will cake and become hard.
Special Requirements	Hygroscopic at 70-75% relative humidity.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	No exposure limits noted for ingredient(s).
Biological Limit Values	No biological exposure limits noted for ingredient(s).
Engineering Controls	Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Personal Protective Measures

Respiratory	Wear a NIOSH/MSHA-approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Hand	Wear appropriate chemical-resistant gloves and suitable protective clothing.
Eye	Wear unvented, tight-fitting chemical safety goggles in dusty areas.
Thermal	Wear appropriate thermal-protective clothing when necessary.
General Hygiene Measures	Wash thoroughly after handling and before eating, drinking and/or smoking. Wash work clothing and protective equipment routinely to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Color	White to opaque
Form	Crystalline solid
Physical State	Solid
Odor	Halogen odor when heated
Odor Threshold	Not available

Safety Data

pH	Not available
BP/BP Range:	2669 °F (1465 °C) (760 mmHg)
MP/FP Range:	1473.8 °F (801 °C)
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	Not available
Explosive Limits:	Not available
Vapor Pressure:	2.4 mm HG (1376.6 °F / 747 °C)
Vapor Density:	Not available
Relative Density:	2.16 (H_2O = 1)
Solubility in Water:	26.4%
Partition Coefficient:	Not available
Auto-ignition Temp:	Not available
Decomposition Temp:	Not available
Viscosity:	Not available

Other Information:

Bulk Density:	35-83 lb/ft^3
Chemical Formula:	NaCl
Molecular Weight:	58.44 g/mol
pH in Aqueous Solution:	6-9

10. STABILITY AND REACTIVITY

Reactivity	Stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable under normal conditions
Conditions to Avoid	Contact with incompatible materials. Avoid dispersal of dust in the air (i.e. clearing dust with compressed air).
Materials to Avoid	Strong acids. Becomes corrosive to metals when wet.
Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Hazardous Decomposition Products	May evolve chlorine gas when in contact with strong acids.

11. TOXICOLOGICAL INFORMATION

Skin Contact	Prolonged or repeated skin contact may cause irritation.
Eye Contact	Dust in the eyes will cause irritation
Inhalation	Inhalation of dusts may cause respiratory irritation.
Ingestion	Expected to be a low ingestion hazard.
Signs and Symptoms of Exposure	Eye and skin contact: Exposure may cause temporary irritation, redness or discomfort. For ingestion, consuming less than a few grams would not be harmful. The following effects were observed after ingestion of an excessive quantity: nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nosebleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.

Acute Toxicity

Oral	*LD50 – Mouse – 4000 mg/kg*

	LD50 – Rat – 3000 mg/kg
Other	*LD50 – Mouse – 2602 mg/kg*
Germ Cell Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity	Not classified
Aspiration Hazard	Due to the physical form of the product, it is not considered an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Aquatic Toxicity	EC50 – *Daphnia magna* (water flea) – 340.7-469.2 mg/l – 48 h
	LC50 – *Oncorhynchus mykiss* (rainbow trout, Donaldson trout) – 4747-7824 mg/l – 96 h
Persistence and Degradability	No data available on the degradability of this product.
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	None known

13. DISPOSAL CONSIDERATIONS

Product	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local Disposal Regulations	Dispose in accordance with all applicable regulations.
Hazardous Waste Code	The waste code should be assigned in discussion among the user, the producer and the waste disposal company.
Waste from Residues/Unused Products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated Packaging	Empty containers should be taken to an approved waste handing site for recycling or disposal. Since empty containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods
IATA	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	Not applicable

15. REGULATORY INFORMATION

U. S. Federal Regulations:	All components are on the U. S. EPA TSCA Inventory List. This product

	is not known to be a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313 Components	Not regulated
SARA 311/312 Hazards	No

Other Federal Regulations:

Clean Air Act (CAA) Section 112	Not regulated
Clear Air Act (CAA) Section 112(r)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated

U. S. State Regulations:

Massachusetts Right to Know Components	Not regulated
Pennsylvania Right to Know Components	Not listed
New Jersey Right to Know Components	Not listed
Rhode Island Right to Know Components	Not regulated
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause birth defects or any other reproductive harm.

International Inventories:

Country/Region	Inventory Name	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 (ENCS)	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
U. S. / Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

**A "Yes" indicates this product complies with the inventory requirements administered by the governing country/region. 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/region.*

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16. OTHER INFORMATION

Prepared by	ISOFLEX USA PO Box 472615 San Francisco CA 94147 United States
Issuing Date	December 18, 2015
Revision Date	October 18, 2024
Revision No.	3
Revision Note	Update supplier address

ISOFLEX USA's Commonly Used Abbreviations and Acronyms*

ACGIH	American Conference of Governmental Industrial Hygienists
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
ALARA	As Low As Is Reasonably Achievable
AMU	Atomic Mass Unit
ANSI	American National Standards Institute
BLS	Basic Life Support
CAM	Continuous Air Monitor
CAS	Chemical Abstracts Service (division of the American Chemical Society)
CEN	European Committee for Standardization
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CLP	Classification, Labelling and Packaging (European Union)
CPR	Controlled Products Regulations (Canada)
CWA	Clean Water Act (USA)
DAC	Derived Air Concentration (USA)
DOE	United States Department of Energy (USA)
DOT	United States Department of Transportation (USA)
DSL	Domestic Substances List (Canada)
EC50	Half Maximal Effective Concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
EHS	Environmentally Hazardous Substance
ELINCS	European List of Notified Chemical Substances
EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EPA	Environmental Protection Agency (USA)
EPCRA	Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System (USA)
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Containers
ICAO	International Civil Aviation Organization
IDLH	Immediately Dangerous to Life or Health

IMDG	International Maritime Code for Dangerous Goods
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
LDLO	Lethal Dose Low
LOEC	Lowest-Observed-Effective Concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
MSHA	Mine Safety and Health Administration (USA)
NCRP	National Council on Radiation Protection & Measurements (USA)
NDSL	Non-Domestic Substances List (Canada)
NFPA	National Fire Protection Association (USA)
NIOSH	National Institute for Occupational Safety and Health (USA)
NOEC	No Observed Effect Concentration
N.O.S.	Not Otherwise Specified
NRC	Nuclear Regulatory Commission (USA)
NTP	National Toxicology Program (USA)
OSHA	Occupational Safety and Health Administration (USA)
PBT	Persistent Bioaccumulative and Toxic Chemical
PEL	Permissible Exposure Limit
PIH	Poisonous by Inhalation Hazard
RCRA	Resource Conservation and Recovery Act (USA)
RCT	Radiation Control Technician
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (Europe)
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act (USA)
TDG	Transportation of Dangerous Goods (Canada)
TIH	Toxic by Inhalation Hazard
TLV	Threshold Limit Value
TPQ	Threshold Planning Quantity
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
UN	United Nations (Number)
VOC	Volatile Organic Compound
vPvB	Very Persistent Very Bioaccumulative Chemical
WGK	Wassergefährdungsklassen (Germany: Water Hazard Classes)
WHMIS	Workplace Hazardous Materials Information System

*One or more of the above-listed items may not appear in this document.

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