SAFETY DATA SHEET

Sodium Chloride (Solid) — Laboratory Reagent, Analytical Reagent / Certified ACS, USP · FCC · Ph. Eur., Molecular Biology and Trace Metal 99.999 % grades

Prepared in accordance with 29 CFR 1910.1200 (OSHA Hazard Communication Standard, 2024 amendment / GHS Rev. 7), UN GHS, US DOT 49 CFR Parts 171–180 and Canada HPR (SOR/2015-17)

SDS number	**HP-SDS-40100-US-01**
Version / Revision	Version 1.0
Issue date	01 November 2026
Supersedes	Not applicable (first issue)
Review due	01 November 2029, or earlier if new hazard information becomes available
Companion sheet	A GB/EU sheet for supply by Highpuris Ltd will be issued separately. Do not substitute one sheet for the other — the classification is the same but the exposure limits, supply restrictions and legal references are not.

1 SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	**Sodium Chloride (Solid)**
Product description	Sodium chloride, solid (white crystalline solid), supplied in Laboratory Reagent, Analytical Reagent / Certified ACS, USP · FCC · Ph. Eur., Molecular Biology and Trace Metal 99.999 % grades. The grades differ in assay and in the limits placed on impurities, trace metals, heavy metals, bromide, iodide, nucleases and microbial content; all carry the same (non-hazardous) classification and transport description.
Synonyms	Sodium chloride; Common salt; Table salt; Halite; Rock salt; Salt; Natrii chloridum; Chlorure de sodium
CAS number	7647-14-5
EC (EINECS) number	231-598-3
EU Index number	Not listed in Annex VI to CLP
REACH registration number	Not applicable to supply in the United States. Sodium chloride, a naturally occurring substance, is exempt from REACH registration (Annex V, entry 8, where unmodified or modified only by permitted purification steps); confirm status before placement in the EU/EEA or Northern Ireland. UK REACH applies to Great Britain.
Molecular formula	NaCl
Molecular weight	58.44 g/mol
Highpuris product code	**40100** — the 9-digit catalogue SKUs below are built as product code · grade · pack
Pack sizes covered	500 g and 1 kg wide-mouth HDPE bottles; 5 kg HDPE pails (10 per 50 kg outer drum); 25 kg PE-lined fibre drums

Catalogue SKUs covered by this SDS

Grade	Assay	Pack size and SKU
Laboratory Reagent	≥ 99.0 %	500 g **401000123** · 1 kg **401000141** · 5 kg **401000144** · 25 kg **401000162**
Certified ACS	≥ 99.0 %	500 g **401000223** · 1 kg **401000241** · 5 kg **401000244** · 25 kg **401000262**
USP · FCC · Ph. Eur.	99.0 – 100.5 %	500 g **401000923** · 1 kg **401000941** · 5 kg **401000944** · 25 kg **401000962**
Molecular Biology	≥ 99.5 %	500 g **401001923** · 1 kg **401001941** · 5 kg **401001944** · 25 kg **401001962**

Highpuris LLC · 9920 Pacific Heights Blvd, Suite 150, San Diego, CA 92121-4361, USA · +1 (401) 288-1196 · admin@highpuris.com · noreply@highpuris.com · www.highpuris.com

Grade	Assay	Pack size and SKU
Trace Metal 99.999 %	99.999 % metals basis	500 g **401002923** · 1 kg **401002941** · 5 kg **401002944** · 25 kg **401002962**

1.2 Relevant identified uses of the substance and uses advised against

- **Identified uses:** laboratory analytical reagent; preparation of buffers, saline solutions, culture media and standards; ionic-strength and salting-out adjustment; titration (argentometric) reagents; molecular biology applications such as buffer, electrophoresis and nucleic-acid work (Molecular Biology grade); trace-metal (ppb) and ICP-MS calibration and matrix work (Trace Metal 99.999 % grade); pharmacopoeial testing and professional formulation (USP · FCC · Ph. Eur. grade, as stated on the certificate of analysis); further formulation and repackaging by professional users.
- **Uses advised against:** not for food, drug, pesticide, biocidal, cosmetic, medicinal, household or consumer use, and not for direct human or veterinary administration unless conformity to the relevant pharmacopoeia or Food Chemicals Codex is stated on the certificate of analysis and the professional user holds the necessary regulatory status. Not intended for use by the general public.

1.3 Details of the supplier of the safety data sheet

Supplier	**Highpuris LLC** 9920 Pacific Heights Blvd, Suite 150 San Diego, CA 92121-4361 United States of America
Telephone	+1 (401) 288-1196
E-mail (SDS contact)	admin@highpuris.com · noreply@highpuris.com
Website	www.highpuris.com

1.4 Emergency telephone number

24-hour emergency (USA / Canada)	**CHEMTREC 1-800-424-9300**
24-hour emergency (international)	**CHEMTREC +1 703-527-3887** (collect calls accepted)
CHEMTREC contract number	**CCN 1024800** — Highpuris LLC, registered August 2026. Quote this number when calling; it must appear with the emergency telephone number on shipping papers under 49 CFR 172.604
Non-emergency (business hours)	+1 (401) 288-1196, 09:00 – 17:00 Pacific Time, Monday to Friday

2 SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under 29 CFR 1910.1200 (OSHA HCS 2024), UN GHS Rev. 7 and Canada HPR:

Not classified — this product does not meet the criteria for any physical, health or environmental hazard class under 29 CFR 1910.1200.

Sodium chloride is not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200, 2024 amendment), UN GHS or EU CLP, and no label elements are required. An SDS is therefore not mandatory for this product under HCS; this Safety Data Sheet is provided voluntarily, as a courtesy to customers whose management systems require an SDS for every chemical received. It is nonetheless good practice to avoid generating dust and to protect the eyes (see Section 2.3).

2.2 GHS label elements

No hazard pictogram, signal word or hazard statement is required.

Signal word	**NO SIGNAL WORD**
Hazard statements	None

2.3 Other hazards which do not result in classification

- Not hazardous under the OSHA Hazard Communication Standard; no hazards not otherwise classified (HNOC) have been identified. The substance does not meet PBT or vPvB criteria under REACH Annex XIII (inorganic salt).
- Dust may cause mechanical irritation of the eyes, nose and throat. Airborne dust should be minimised, and eye protection is recommended when handling powders and fine grades. The toxicological properties have not been fully investigated by the manufacturer.
- Hygroscopic: the solid absorbs moisture from the air and cakes, which affects flow, weighing and purity. Keep containers tightly closed.

- Solutions and moist salt are corrosive to many metals (carbon steel, aluminium and some stainless steels, through chloride pitting and stress-corrosion cracking). Use compatible plastic or glass equipment.
- At very high temperature (above the melting point of 801 °C) thermal decomposition can release hydrogen chloride gas and sodium oxides. Contact with strong acids can liberate hydrogen chloride; contact with strong oxidisers (for example bleach or permanganate) can liberate chlorine.
- Spilled solid and spilled solution make floors slippery.

2.4 Unknown acute toxicity

Not applicable — not classified; acute toxicity data are available for the substance.

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance — sodium chloride. Grades differ in assay and in limits on impurities, trace metals, nucleases and microbial content; none affects classification.

Chemical name	CAS No.	EC No.	Conc. (% w/w)	GHS classification of the ingredient
Sodium chloride	7647-14-5	231-598-3	> 95 – 100 (assay by grade; see Section 1)	Not classified

Not listed in Annex VI to CLP; no EU index number. Sodium chloride is a naturally occurring substance and is exempt from REACH registration under Annex V (entry 8) as supplied, subject to confirmation for the EU/EEA.

Any minor impurities or additives (for example anti-caking agents where stated on the certificate of analysis) are present at levels not relevant to classification.

4 SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

General. No hazards which require special first aid measures. If symptoms develop or persist after any exposure, obtain medical advice and show this Safety Data Sheet to the attending physician.
Inhalation. Move the casualty to fresh air. Obtain medical attention if symptoms such as coughing or irritation of the nose and throat develop and persist.
Skin contact. Wash off with plenty of water for at least 15 minutes. Remove contaminated clothing. Obtain medical attention if symptoms occur.
Eye contact. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical attention if irritation occurs or persists.
Ingestion. Rinse the mouth thoroughly and drink plenty of water. Do not induce vomiting. Obtain medical attention if symptoms occur, or if a large quantity has been swallowed.

4.2 Most important symptoms and effects, both acute and delayed

- No symptoms or effects are reasonably foreseeable from exposure to the product under normal conditions of use. Dust may cause mild, transient mechanical irritation of the eyes, nose and throat.
- Ingestion of a large amount of salt can cause nausea, vomiting, thirst and, in serious cases, disturbance of the body's fluid and electrolyte balance (hypernatraemia); this is not an expected exposure for a laboratory reagent.
- No information is available on delayed effects.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

5 SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable: the substance is non-combustible; use the extinguishing agent most appropriate to the surrounding fire. The manufacturer's sheet states no restriction on extinguishing media.
- Unsuitable: none known.

5.2 Special hazards arising from the substance or mixture

- Non-combustible solid. No flash point, auto-ignition temperature or explosion limits apply (no data available).
- Thermal decomposition at very high temperature can produce irritating gases and vapours: hydrogen chloride gas and sodium oxides.
- Containers exposed to fire may rupture from pressure; cool them with water spray.

5.3 Advice for fire-fighters

- As in any fire, wear a positive-pressure self-contained breathing apparatus (MSHA/NIOSH-approved or equivalent) and full protective gear.
- Fire-fighting water from the surrounding fire may carry contaminants; prevent run-off from entering drains and watercourses where the main fire involves other materials.
- No ERG guide applies — the product is not regulated as a dangerous good.

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel. Ensure adequate ventilation. Avoid dust formation and wear the personal protective equipment described in Section 8 (eye protection, gloves and, for dusty spills, a particle filter). Spilled solid, and especially wet material, can make surfaces slippery; restrict access to the area and warn others.

For emergency responders. Wear eye protection, protective gloves and clothing, and a particle-filter respirator (NIOSH N95 or EN 149 FFP) if dust is generated. No other special protective equipment is required for the product itself; wear PPE appropriate to any other materials involved in the incident.

6.2 Environmental precautions

- Should not be released into the environment. Do not empty into drains, surface water or onto soil; large releases of salt can harm freshwater organisms, soils and vegetation.
- No reporting obligation applies (not a CERCLA hazardous substance).

6.3 Methods and material for containment and cleaning up

- Avoid dust formation. Sweep up or shovel the spilled solid into suitable, closable containers for disposal; a vacuum cleaner fitted with a HEPA filter may also be used.
- Wet material can be taken up with absorbent pads; wash the area with water and dry it to remove the slip hazard.
- Do not return spilled material to the original container — it is contaminated.
- Dispose of the collected material in accordance with local regulations (see Section 13).

6.4 Reference to other sections

See Section 8 for exposure controls and personal protection, and Section 13 for disposal considerations.

7 SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Wear personal protective equipment as described in Section 8. Ensure adequate ventilation.
- Avoid dust formation; avoid contact with skin, eyes and clothing; do not breathe dust; do not ingest.
- Keep the container closed when not in use — the product is hygroscopic and cakes on exposure to moist air.
- Molecular Biology and Trace Metal 99.999 % grades: open and dispense only in a clean environment, with powder-free gloves and clean plastic (not metal) scoops, to protect the product from nuclease, metal and particulate contamination. Do not return unused material to the original container.
- Keep away from strong acids, strong oxidising agents and metals (see Section 10).
- Handle in accordance with good industrial hygiene and safety practice: wash hands before breaks and at the end of the work day.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. The manufacturer's sheet additionally recommends storage under an inert atmosphere (air-sensitive); for the high-purity grades this protects product quality rather than safety.
Recommended temperature	Room temperature, 5 – 30 °C (41 – 86 °F).
Containment	No special containment is required.
Suitable materials	Original supplier packaging: HDPE bottles and pails, PE-lined fibre drums; also glass, PP, PTFE and other plastics.
Unsuitable materials	Carbon steel, aluminium and other metals and metal-containing closures in contact with damp salt or brine (corrosion, and metal contamination of the high-purity grades).
Incompatible storage	Store away from strong oxidising agents, strong acids and metals.

Shelf life	Purity specifications are guaranteed only for the unopened original packaging within the date stated on the certificate of analysis; once opened, the solid absorbs moisture and contaminants from the air.

7.3 Specific end use(s)

Laboratory reagent and analytical-grade sodium chloride. No further specific guidance beyond the identified uses in Section 1.2.

8 SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limits have been established for sodium chloride by OSHA, NIOSH or ACGIH, and the manufacturer's sheet lists no component with an established exposure limit. Where dust is generated, the general OSHA limits for particulates not otherwise regulated (29 CFR 1910.1000, Table Z-1: 15 mg/m³ total dust, 5 mg/m³ respirable fraction, 8-hour TWA) should be used as a guide.

8.2 Exposure controls

Appropriate engineering controls

- Ensure adequate ventilation, especially in confined areas. Use local exhaust or a ventilated enclosure when handling bulk quantities or operations that raise dust.
- An eyewash station and safety shower should be available in the work area as standard laboratory practice.
- For Molecular Biology and Trace Metal grades, dispense in a clean, particle-controlled environment (laminar-flow cabinet or clean bench) to protect the product, not the operator.

Eye and face protection

- Wear safety glasses with side shields or chemical safety goggles conforming to ANSI/ISEA Z87.1 / 29 CFR 1910.133 or EN 166, particularly when handling powders, to guard against dust and mechanical irritation.

Skin and body protection

- Wear protective gloves (for example nitrile, natural rubber, PVC or polyethylene) and a laboratory coat or long-sleeved clothing.
- Inspect gloves before use; wash and dry hands after handling.
- For Molecular Biology and Trace Metal grades, powder-free nitrile or polyethylene gloves also protect the product from contamination.

Respiratory protection

- No protective equipment is needed under normal use conditions with adequate ventilation.
- If exposure limits are exceeded, or if dust causes irritation, use a NIOSH-approved particulate respirator (N95 or better) or an EN 149 particle-filtering half mask (FFP2), in accordance with 29 CFR 1910.134 or EN 149.

Environmental exposure controls

- Do not empty into drains; prevent release of large quantities to the environment. Handle in accordance with good industrial hygiene and safety practice: wash hands after handling and before eating or drinking.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value
Physical state	Solid (crystals, granules or powder depending on grade)
Colour	White
Odour	Odourless
Odour threshold	No data available
Melting point / freezing point	801 °C (1473.8 °F)
Boiling point / initial boiling point	1461 °C (2661.8 °F) at 760 mmHg (101.3 kPa)
Flammability	Not flammable (not applicable to a non-combustible solid)
Lower / upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	5.0 – 8.0 (5 % aqueous solution at 20 °C)

Property	Value
Kinematic / dynamic viscosity	Not applicable (solid)
Solubility (water)	360 g/L at 20 °C
Solubility (other)	Soluble in glycerol; sparingly soluble in ethanol; practically insoluble in diethyl ether and concentrated hydrochloric acid
Partition coefficient n-octanol/water (log Kow)	No data available (inorganic salt; not applicable)
Vapour pressure	1 mmHg (0.13 kPa) at 865 °C; negligible at ambient temperature
Density / relative density	2.165 g/cm³ (relative density 2.165) at 25 °C
Relative vapour density	Not applicable (solid)
Particle characteristics	Crystalline solid; particle size and bulk density vary by grade — see the certificate of analysis
Molecular weight	58.44 g/mol
Evaporation rate	Not applicable (solid)
Oxidising properties	None
Explosive properties	None
Surface tension	Not applicable (solid)
Concentration	Trace Metal grade: 99.999 % (metals basis); other grades: assay as stated on the certificate of analysis

9.2 Other information

Hygroscopic. No additional physical or chemical hazard information.

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None known under normal conditions of use. The solid is hygroscopic and, in the presence of moisture, corrosive to many metals.

10.2 Chemical stability

Stable under normal conditions; hygroscopic. Not sensitive to mechanical impact or static discharge. Hazardous polymerisation does not occur.

10.3 Possibility of hazardous reactions

- None under normal processing and use.
- Contact with strong acids (for example concentrated sulfuric acid) can liberate hydrogen chloride gas.
- Contact with strong oxidising agents can liberate chlorine; mixtures with bromine trifluoride and with lithium can react violently.
- Electrolysis or contact with strong electrical current of molten or dissolved salt generates chlorine and sodium or sodium hydroxide.

10.4 Conditions to avoid

Incompatible products; excess heat; dust generation; exposure to moist air (caking and uptake of water).

10.5 Incompatible materials

Class	Examples
Strong oxidising agents	Bleach (hypochlorite), permanganates, chromates, nitric acid — may liberate chlorine
Strong acids	Concentrated sulfuric acid, nitric acid, perchloric acid — liberation of hydrogen chloride
Metals	Carbon steel, aluminium, and other metals in the presence of moisture — corrosion; lithium and other reactive metals
Other reactive materials	Bromine trifluoride; silver and mercury salts in solution (precipitation of insoluble chlorides)

10.6 Hazardous decomposition products

Hydrogen chloride gas and sodium oxides on thermal decomposition at very high temperature.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in 29 CFR 1910.1200(c) / GHS

Likely routes of exposure: ingestion, skin and eye contact and inhalation of dust; low hazard for usual industrial or commercial handling.

Endpoint	Data and conclusion
Acute toxicity — oral	LD_{50} 3,550 mg/kg (rat). Not classified.
Acute toxicity — dermal	LD_{50} > 10,000 mg/kg (rabbit). Not classified.
Acute toxicity — inhalation	LC_{50} > 42 mg/L, 1 h (rat). Not classified.
Skin corrosion / irritation	No data available in the manufacturer's sheet. Not irritating in normal use; prolonged contact with moist salt may dry or mildly irritate the skin. Not classified.
Serious eye damage / irritation	No data available in the manufacturer's sheet. Dust may cause transient mechanical irritation of the eyes. Not classified.
Respiratory or skin sensitisation	No data available; no known sensitising effects. Not classified.
Germ cell mutagenicity	Not mutagenic in the Ames test. Not classified.
Carcinogenicity	Not listed by IARC, NTP, ACGIH, OSHA or Mexico as a carcinogen. Not classified.
Reproductive toxicity	No data available; no known effects at normal exposure levels. Not classified.
STOT — single exposure	No data available; no target organs identified. Not classified.
STOT — repeated exposure	No data available; no target organs identified. Not classified.
Aspiration hazard	Not applicable (solid). Not classified.

11.2 Other information

Target organs: none known. Toxicologically synergistic products: none known. Endocrine disrupting properties: this product does not contain any known or suspected endocrine disruptors.

The toxicological properties have not been fully investigated by the manufacturer. Ingestion of large quantities of salt, or of concentrated brine, can cause vomiting and disturbance of fluid and electrolyte balance (hypernatraemia); this is not an expected exposure for a laboratory reagent.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Endpoint	Value
Fish — acute	LC_{50} 7,650 mg/L, 96 h (Pimephales promelas, fathead minnow)
Aquatic invertebrates — acute	EC_{50} 1,000 mg/L, 48 h (water flea)
Algae	No data available
Microorganisms	No data available

The product is not classified as hazardous to the aquatic environment. Do not empty into drains: sustained release of large quantities raises salinity and chloride levels, which can harm freshwater organisms, soils and vegetation.

12.2 Persistence and degradability

Soluble in water; persistence is unlikely. Biodegradation is not applicable to an inorganic salt.

12.3 Bioaccumulative potential

Not expected to bioaccumulate; no information available. log Kow: not applicable.

12.4 Mobility in soil

Soluble in water; expected to be mobile in the environment, in soil and in groundwater.

12.5 Results of PBT and vPvB assessment

The substance does not meet the criteria for PBT or vPvB under REACH Annex XIII (inorganic salt).

12.6 Other adverse effects

Not an ozone-depleting substance; global warming potential not applicable. No other adverse effects known.

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under 40 CFR 261 and must consult federal, state and local hazardous waste regulations to ensure complete and accurate classification.
- Unused, uncontaminated sodium chloride is not a hazardous waste. Small quantities may be dissolved and discharged to the sanitary sewer only where local consent and the receiving authority permit; do not empty into drains in quantity.
- Material contaminated with other chemicals during use must be assessed and disposed of according to the properties of the contaminants.
- Sweep up spilled solid and place it in suitable closed containers for disposal by a licensed waste contractor, in accordance with local regulations.
- Empty containers are not hazardous. Remove or deface the label and recycle where possible; HDPE bottles and pails are recyclable through normal channels.
- Dispose of the container in accordance with local regulations.

13.2 Waste codes

Not a RCRA hazardous waste (no characteristic, not listed). EWC 16 05 09 (discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08).

14 SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a dangerous good in any mode of transport.

US DOT (49 CFR)	Not regulated as a hazardous material.
IMDG Code (sea)	Not regulated as dangerous goods.
IATA DGR / ICAO (air)	Not regulated as dangerous goods.
ADR / RID / ADN	Not regulated as dangerous goods.
TDG (Canada)	Not regulated.
Marine pollutant	No
Special precautions for user	Keep dry — the product is hygroscopic; secure containers against movement and protect from moisture in transit.

15 SECTION 15: REGULATORY INFORMATION

15.1 United States federal regulations

Regulation	Status
TSCA (15 U.S.C. §2601 et seq.)	Sodium chloride, CAS 7647-14-5, is listed on the TSCA Chemical Substance Inventory with an "active" designation. No section 12(b) export notification, section 5(a)(2) SNUR or section 6(h) PBT restriction applies.
OSHA Hazard Communication (29 CFR 1910.1200)	Not a hazardous chemical — an SDS is not required. This SDS is provided voluntarily and is prepared to the HCS 2024 amendment (GHS Rev. 7).
OSHA flammable liquids (29 CFR 1910.106)	Not applicable — not a flammable or combustible liquid.
OSHA PSM (29 CFR 1910.119, App. A)	Not a listed highly hazardous chemical.
CERCLA section 103 (40 CFR 302.4)	Not listed. Not regulated as a hazardous substance; reportable quantity: none (DOT RQ: N).
EPCRA section 302 (40 CFR 355, App. A)	Not applicable — not an extremely hazardous substance.
EPCRA sections 311 / 312 (40 CFR 370)	Not applicable — the product meets no OSHA hazard category; no Tier II reporting.
EPCRA section 313 (TRI, 40 CFR 372)	Not listed. The product is not subject to Toxics Release Inventory reporting.
Clean Air Act section 112 / 112(r)	Not applicable — not a listed hazardous air pollutant or regulated substance under 40 CFR 68.130.
Clean Water Act section 311 (40 CFR 116/117)	Not applicable — not a designated hazardous substance or priority pollutant.
RCRA (40 CFR 261)	Not a hazardous waste. Exhibits no characteristic and is not P- or U-listed.

Regulation	Status
DEA / Chemical Diversion and Trafficking Act (21 CFR 1310)	Not listed — not a List I or List II regulated chemical.
FDA / USDA	Not supplied for use in food, drug or cosmetic applications. USP · FCC · Ph. Eur. grade conformity is stated on the certificate of analysis; use in regulated products is the responsibility of the professional manufacturer.
US Department of Homeland Security (6 CFR 27, App. A)	Not a chemical of interest.

15.2 United States state regulations

State list	Status
California Proposition 65	Not listed. The product contains no chemicals listed under Proposition 65; no warning is required.
California — other	No Cal/OSHA PEL established specifically for sodium chloride. Not a CARB Toxic Air Contaminant.
Massachusetts Right-to-Know	No listing is reported in the manufacturer's sheet (state right-to-know regulations: not applicable); not independently verified.
New Jersey Right-to-Know	No listing is reported in the manufacturer's sheet (state right-to-know regulations: not applicable); not independently verified.
Pennsylvania Right-to-Know	No listing is reported in the manufacturer's sheet (state right-to-know regulations: not applicable); not independently verified.
Rhode Island, Minnesota, Texas	No listing is reported in the manufacturer's sheet; not independently verified. Illinois: no listing reported.

15.3 International regulations

Jurisdiction	Status
Canada	Not classified under the Hazardous Products Regulations (SOR/2015-17). Listed on the Domestic Substances List (DSL); not on the Non-Domestic Substances List (NDSL).
European Union — CLP	Not classified. Not listed in Annex VI to Regulation (EC) No 1272/2008.
European Union — REACH	Not subject to Annex XIV authorisation or Annex XVII restriction, and not on the Candidate List of substances of very high concern. Registration exemption (Annex V) applies to naturally occurring sodium chloride; confirm before EU/EEA placement.
Seveso III (Directive 2012/18/EU)	Not applicable — not a qualifying substance or hazard category.
Rotterdam / Stockholm / Montreal Conventions	Not listed under the PIC procedure, not a persistent organic pollutant and not an ozone-depleting substance.
Basel Convention	Not applicable — not a hazardous waste.
Chemical Weapons Convention	Not a scheduled chemical.
Chemical inventories	Listed on TSCA (USA), DSL (Canada), EC Inventory (EINECS 231-598-3), AICS (Australia), IECSC (China), ENCS (Japan), ISHL (Japan), KECL (Korea, KE-31387) and PICCS (Philippines). Not on the NDSL. Listed in the OECD High Production Volume (HPV) chemicals programme.
Mexico	No occupational exposure limit established (NOM-010-STPS).
Germany	Not verified — no Water Hazard Class (WGK) is stated in the manufacturer's sheet.

15.4 Chemical safety assessment

Not required — not classified as a hazardous chemical.

16 SECTION 16: OTHER INFORMATION

16.1 Hazard rating systems

System	Rating	Notes
NFPA 704	Health 1 · Flammability 0 · Instability 1 · Special: none	Slight health hazard (dust); no special hazard
HMIS® III	Health 1 · Flammability 0 · Physical hazard 1 · PPE: X	PPE code to be assigned by the employer based on the task



Rating scale 0 = minimal, 4 = severe. These ratings are supplementary and are not a substitute for the GHS classification in Section 2.

16.2 Full text of hazard statements referred to in this SDS

- None — the product is not classified.

16.3 Abbreviations and acronyms

Abbreviation	Meaning
ACGIH	American Conference of Governmental Industrial Hygienists
ADR / RID / ADN	European agreements concerning the international carriage of dangerous goods by road / rail / inland waterway
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging
DNEL / PNEC	Derived no-effect level / predicted no-effect concentration
EmS	Emergency schedule (IMDG Code)
EPCRA	Emergency Planning and Community Right-to-Know Act
ERG	Emergency Response Guidebook (PHMSA / Transport Canada / SCT)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HCS	Hazard Communication Standard, 29 CFR 1910.1200
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA DGR	International Air Transport Association Dangerous Goods Regulations
IDLH	Immediately dangerous to life or health
IMDG	International Maritime Dangerous Goods Code
LC_{50} / LD_{50} / EC_{50}	Concentration / dose / effective concentration lethal or effective to 50 % of a test population
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PBT / vPvB	Persistent, bioaccumulative and toxic / very persistent and very bioaccumulative
PEL / REL / TLV	Permissible exposure limit / recommended exposure limit / threshold limit value
PG	Packing group
RCRA	Resource Conservation and Recovery Act
RQ / TPQ / TQ	Reportable quantity / threshold planning quantity / threshold quantity
SCBA	Self-contained breathing apparatus
STOT SE / RE	Specific target organ toxicity — single exposure / repeated exposure
TSCA	Toxic Substances Control Act
TWA / STEL	Time-weighted average / short-term exposure limit
WGK	Wassergefährdungsklasse (German water hazard class)

16.4 Key references

- 29 CFR 1910.1200, OSHA Hazard Communication Standard, as amended by the final rule of 19 July 2024 (89 FR 44144), aligning with GHS Revision 7.
- 49 CFR Parts 171–180, US DOT Hazardous Materials Regulations; Hazardous Materials Table, 49 CFR 172.101 — sodium chloride is not listed.
- 40 CFR 302.4, 40 CFR 355 Appendix A, 40 CFR 370, 40 CFR 372, 40 CFR 68.130 and 40 CFR 261.
- Regulation (EC) No 1907/2006 (REACH), Annex V — substances exempt from registration; Regulation (EC) No 1272/2008 (CLP).
- 29 CFR 1910.1000, Table Z-1 — particulates not otherwise regulated.
- Manufacturer safety data sheet for sodium chloride (Fisher Chemical S271, US OSHA HCS 2024 format, revision 8, 18 December 2025) — source of the physical, toxicological, ecotoxicological and regulatory values reproduced here.
- PubChem CID 5234, sodium chloride.

16.5 Revision information

Version	1.0
Date of issue	01 November 2026
Reason for revision	First issue under Highpuris LLC. Content prepared in the 16-section format of 29 CFR 1910.1200, Appendix D, with transport detail (not regulated), and the complete Highpuris catalogue SKU list for this product.
Sections revised	All — first issue
Prepared by	Regulatory Affairs, Highpuris LLC

16.6 Disclaimer

The information in this Safety Data Sheet is provided in good faith and is believed to be accurate as at the date of issue. It has been compiled from data on sodium chloride (solid) published by regulatory authorities, manufacturers and recognised technical sources, and relates only to the specific material identified in Section 1. It does not constitute a warranty, express or implied, of merchantability, fitness for a particular purpose or of any other kind, and Highpuris LLC accepts no liability for loss or damage arising from the handling or use of the product. The material may present hazards in combination with other substances or in processes not described here. It is the responsibility of the user to determine the suitability of this information for their own particular purpose, to comply with all applicable laws and regulations, and to ensure that the material is handled only by adequately trained personnel. Transport classifications, exposure limits and regulatory listings change. This document must be reviewed against the regulatory editions in force at the date of each shipment.

— END OF SAFETY DATA SHEET —

Highpuris LLC · 9920 Pacific Heights Blvd, Suite 150, San Diego, CA 92121-4361, USA · +1 (401) 288-1196 · admin@highpuris.com · noreply@highpuris.com · www.highpuris.com