SDS

永华化学股份有限公司
YONGHUA CHEMICAL CO., LTD.

Sodium chloride

1. Product Identification

Synonyms: Common salt; Halite; Rock salt; Saline; Salt; Sea salt; Table salt

CAS No. : 7647-14-5

Manufacturer/supplier:

Yonghua Chemical Co., Ltd.
Address: Xiangqiao Village, Zhitang(Heshi)Town, Changshu City 215500,
Jiangsu Province, China
Emergency phone：0086 512 52549653
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2. Composition/Information on Ingredients

CAS No.	Chemical Name	Content	EINECS#
7647-14-5	Sodium chloride	≤100	231-598-3

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

3. Hazards Identification

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

Causes eye irritation.

Skin:

May cause skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

May cause respiratory tract irritation.

Chronic:

No information found.

4. First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

5. Fire Fighting Measures

General Information:

Water runoff can cause environmental damage. Dike and collect water used to fight fire. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Substance is noncombustible.

Extinguishing Media:

For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Provide ventilation.

7. Handling and Storage

Handling:

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed.

Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

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8. Exposure Controls/Personal Protection

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits CAS# 7647-14-5: Russia: 5 mg/m3 TWA Personal Protective Equipment Eyes: Wear safety glasses with side shields.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Respirators:

A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

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9. Physical and Chemical Properties

Physical State: Solid

Color: colorless or white

Odor: odorless

pH: Aq soln is neutral

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 1461 deg C

Freezing/Melting Point: 801 deg C

Autoignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Freely Soluble.

Specific Gravity/Density: 2.17

Molecular Formula: NaCl

Molecular Weight: 58.44

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10. Stability and Reactivity

Chemical Stability:

Stable. Hygroscopic: absorbs moisture or water from the air.

Conditions to Avoid:

High temperatures, exposure to moist air or water.

Incompatibilities with Other Materials:

Reacts with most nonnoble metals such as iron or steel, building materials (such as cement), bromine, or trifluoride. Potentially explosive reaction with dichloromaleic anhydride + urea. Electrolysis of mixtures with nitrogen compounds may form explosive nitrogen trichloride.

Hazardous Decomposition Products:

Toxic fumes of sodium oxide.

Hazardous Polymerization: Has not been reported.

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11. Toxicological Information

RTECS#:

CAS# 7647-14-5: VZ4725000 LD50/LC50:

CAS# 7647-14-5: Draize test, rabbit, eye: 100 mg Mild; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, eye: 10 mg Moderate; Draize test, rabbit, skin: 50 mg/24H Mild; Draize test, rabbit, skin: 500 mg/24H Mild; Inhalation, rat: LC50 = >42 gm/m3/1H; Oral, mouse: LD50 = 4 gm/kg; Oral, rat: LD50 = 3000 mg/kg; Skin, rabbit: LD50 = >10 gm/kg.

Carcinogenicity:

Sodium chloride - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

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12. Ecological Information

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13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

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14. Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

15.Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7647-14-5: 0

Canada

CAS# 7647-14-5 is listed on Canada's DSL List.

CAS# 7647-14-5 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 7647-14-5 is listed on the TSCA inventory.

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16. Other Information

Yonghua Chemical Co., Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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