Sodium Chloride 21105

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MDS 2528

Catalog Number: Sodium Chloride

Common Name: Salt

Company Identification: Fisher Scientific

1 Regent Lane

Fairview, NJ 07024

For emergency, call: 201-696-7100

For international: 703-527-3887

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS# Chemical Name
7647-14-5 Sodium chloride

**** SECTION 3 - HAZARDS IDENTIFICATION ****

Appearance: colorless or white.

Caution: May cause respiratory tract irritation. May cause eye and skin irritation. May cause digestive tract irritation with nausea, vomiting, and diarrhea.

Target Organs: Blood, lungs, male reproductive system.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Ingestion of large amounts may cause nausea and vomiting, rigidity or convulsions. Continued exposure can produce coma, dehydration, and internal organ damage.

Inhalation: May cause respiratory tract irritation.

Chronic: No information found.

**** SECTION 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 soap and water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: if ingested, do not induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. Get medical aid.

Inhalation: Remove from exposure 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:

Treat symptomatically.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:

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.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information:

Use proper personal protective equipment as indicated.

Spill/Leak:

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.

**** SECTION 7 - HANDLING AND STORAGE ****

Handling:

Use with adequate ventilation. Minimize dust generation and exposure. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Do not ingest or inhale.

Storage:

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

**** SECTION 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:

Chemical Name ACGIH NIOSH OSHA - Final PELs
Sodium Chloride none listed none listed none listed

OSHA Vacated PELs:

Sodium Chloride:

No OSHA Vacated PELs are listed for this chemical.

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.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid

Appearance: colorless or white.

Odor: Odorless.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Necrosis: Not available.

Boiling Point: 2579 deg F

Freezing/Melting Point: 1474 deg F

Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating:

Explosion Limits: Lower: Not available.

Decomposition Temperature: Not available.

Solubility: Soluble in water.

Specific Gravity/Density: 2.195

Molecular Weight: 58.4428

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Stable.

Conditions to Avoid:

High temperatures.

Incompatibilities with Other Materials:

React with most nonmetallics such as iron or steel, building materials (such as cement), boron, or trichloroethylene. Potentially explosive reaction with dichloromethane anhydride. Use. Electrolyses of mixtures with nitrogen compounds may form explosive nitrogen.
trichloride

Hazardous Decomposition Products:
Toxic fumes of sodium oxide.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS:
CAS# 7647-14-5: V24725000
LD50/LD50:
CAS# 7647-14-5: Oral, mouse: LD50 = 4 g/m; Oral, rat: LD50 = 3 g/m.

Carcinogenicity:
Sodium chloride – Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:
No information reported.

Teratogenicity:
An experimental teratogen.

Reproductive Effects:
Human reproductive effects by intraperitoneal route: terminates pregnancy. Experimental reproductive effects.

Neurotoxicity:
No information reported.

Mutagenicity:
Human mutation data reported.

Other Studies:
No information reported.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:
No information found.

Environmental Fate:
No information reported.

Physical/Chemical:
No information found

Other:
No information found

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

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

RCRA P-Series: None listed.
RCRA U-Series: None listed.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT
No information available
Canadian TDG
No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

US FEDERAL
TSCA
CAS# 7647-14-5 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.

SARA
Section 302 (RQ)
None of the chemicals in this material have an RQ.
Section 302 (TPQ)
None of the chemicals in this product have a TPQ.
SARA Codes
CAS# 7647-14-5: acute.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depleters.
This material does not contain any Class 2 Ozone depleters.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA
None of the chemicals in this product are considered highly hazardous by OSHA.