



Safety Data Sheet (SDS): Sodium Nitrite.

Product Name : Sodium nitrite

CAS#: 7632-00-0

RTECS : WC5600000

TSCA : TSCA 8(b) inventory: Sodium nitrite

CI# : Not available.

Synonym : Chile saltpeter, soda niter, Sodium saltpeter, Nitric acid, sodium salt, Nitratine

Chemical Name : Sodium Nitrite

Chemical Formula : NaNO₂

Manufacturer/Supplier:

Coresol LLC

1880 S Dairy Ashford, #360, Houston, TX- 77070, US.

Hazard identification

According to Regulation 2012 OSHA Hazard Communication Standard;29 CFR Part 1910.1200

Classification of the product

Ox. Sol. 2.

Oxidising solid

Eye dam/Irrit.

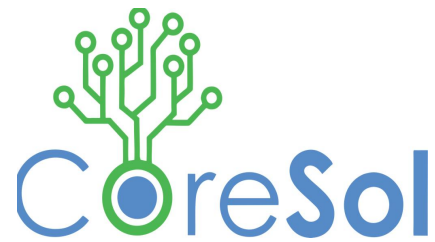
Serious eye damage/eye irritation

Label Elements

Hazard Statement

- H272. May intensify fire
- H301. Toxic if swallowed
- H319. Causes serious eye irritation.
- H400. Very toxic to aquatic life
- P273 Avoid release to the environment.
- P210. Keep away from heat/ sparks/ open flames/hot surfaces
- P280. Wear protective gloves and eye/face protection.
- P221. Take any precaution to avoid mixing with combustibles.
- P220. Keep/store away from combustible/clothing materials.
- P264. Wash with plenty water and soap thoroughly after handling.

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Precautionary Statements (Response).

P301 + P330 If swallowed: rinse with water.

P310. Immediately call a POISON CENTER or doctor/physician.

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P311. If eye irritation persists : Call a POISON CENTER or doctor/physician.

P370 + P378 Incase of fire: Use water spray for extinction.

P391. Collect Spillage.

Precautionary Statements (Storage)

P405 Store locked.

Precautionary Statements (Dismissal)

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazard not otherwise Classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture. No specific dangers known, if the regulations for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

Emergency Overview

Danger

Oxidizer

May cause eye, skin and respiratory tract irritation.

Ingestion may cause gastric disturbances.

Avoid contact with skin, eyes and clothing.

Avoid inhalation of dusts.

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Use with local exhaust ventilation.



Wear a NIOSH – certified (or equivalent) Particulate respirator.

Wear a NIOSH – certified (or equivalent) chemical goggles.

Wear protective clothing. Eye wash fountains and safety showers must be easily accessible.

Composition

Name CAS No. by weight

Sodium Nitrite 7631-99-4-100

Synonym : Chile saltpeter, soda niter, sodium saltpeter, Nitric acid, sodium salt, Nitratine.

Toxicological Data on Ingredients : Sodium Nitrite: ORAL (LD50): Acute: 1267mg/kg (Rat). 2680mg/kg (Rabbit).

First Aid Measures

Eye Contact :

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact :

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact : Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation :

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion :

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as collar, tie, belt or waistband.

Serious Ingestion : Not available.



Fire and Explosion Data

Flammability of the product : Non flammable.

Auto-Ignition Temperature : Not applicable.

Flash Points : Not applicable.

Flammable Limits : Not applicable.

Products of Combustion : Not available.

Fire Hazards in presence of various substances : organic materials, combustible materials.

Explosion Hazards in presence of substances :

Risks of explosion of the product in presence of mechanical impact : Not available.

Risks of explosion of the product in presence of static discharge : Not available.

Slightly explosive in presence of heat.

Fire fighting Media and Instructions : Not applicable.

Special Remarks on Fire Hazards:

It may accelerate burning when involved in a fire. Increases the flammability of any combustible material. May ignite combustibles (wood, paper, clothing, etc.) Flames up when heated to 540 deg. C. Mixture with charcoal ignites on heating. Contact with combustible or organic materials may cause fire.

Special Remarks on Explosion Hazards :

It will react explosively with hydrocarbons. Interaction of nitrites when heated with amidosulfates (sulfamates) may become explosively violent owing to liberation of dinitrogen oxide and steam. Mixtures of sodium Nitrite with powdered aluminum or its oxide were reported to be explosive. Mixtures of sodium nitrite and barium thiocyanate may explode. Mixture of sodium nitrite and sodium thiosulfate or sodium phosphonate explode.

Accidental release measures-

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Small spill :

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large spill :

Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material(wood, paper, oil, clothing..). Keeps substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.