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Monday through Friday

Material Safety Data Sheet

Hazardous according to criteria of Worksafe Australia

Product Code: 10256

Sodium nitrite AnalaR

Identification

Product Name:
Sodium nitrite AnalaR

Other Names:
Sodium nitrite

Product Code: 10256
UN Number: 1500
Dangerous Goods Class & Subsidary Risk: 5.1
Packaging Group: III
Hazchem Code: 1[T]
Poisons Schedule Number: S5
Use: General laboratory reagent
EEC #: 231-555-9

Physical Description and Properities

Form: solid
Colour: white to slightly yellowi
Odour: odourless
Boiling point: 320 °C
Melting point: 271 °C
Vapour pressure: Not Relevant
Vapour density: Not Relevant

Upper flammability limit: Not Relevant
Lower flammability limit: Not Relevant
Ignition temperature: Not Relevant
Log P(o/w): Not Relevant
Specific gravity: Not Relevant
Density: (20 °C) 2.17 g/cm3

Solubility in Water:
water (20 °C) 820, water (80 °C) 1355

Other information:
Contact with combustible material may cause fire. Toxic if swallowed.
fire-promoting substance; hygroscopic.

Unsuitable working materials:
No information available

Conditions and substances to be avoided:
Conditions to be avoided
no information available
Substances to be avoided
combustible substances (risk of explosion!), aluminium, ammonium compounds, cyanides,
hydrazine and derivatives, unsaturated hydrocarbons, ethylene oxide.

Ingredients	CAS Number	Proportion
Sodium nitrite	7632-00-0	100%

All constituent chemicals are listed in the Australian Inventory of Chemical Substances (AICS).

Health Hazard Information:

Toxicological information:

Acute toxicity

LD50 (oral, rat): 85 mg/kg LDLo (oral, human): 4 - 6 g

After inhalation of vapours:

After eye contact:

Irritations.

After absorption: nausea, narcosis, cyanosis. After absorption of large quantities: vomiting, unconsciousness, drop in blood pressure, depressed respiration, collapse, methaemoglobinaemia.

After skin contact:

After ingestion:

After ingestion: nausea, narcosis, cyanosis.

Other information:

After the absorption of large quantities: vomiting, unconsciousness, drop in blood pressure, depressed respiration, collapse, methaemoglobinaemia.

First Aid Information:

Eye contact:

rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

Inhalation:

fresh air. If necessary, apply mouth-to-mouth resuscitation or mechanical ventilation.

Skin contact:

wash off with plenty of water. Remove contaminated clothing.

Ingestion:

if victim is still conscious, make him drink plenty of water, induce vomiting, administer activated charcoal (20 - 40 g in 10% slurry). Immediately summon doctor. Gastric lavage.

Advice to doctors:

Treat symptomatically.

First aid facilities:

Eyewash facilities.

Worksafe information:

Foreign Exposure limits:

None assigned

Peak limit:

Carcinogen information:

Other precautions:

Precautions for use:

Engineering controls:

Person-related precautionary measures: Avoid generation of dusts.
Procedures for cleaning / absorption: Take up dry. Forward for disposal. Clean up affected area.

Personal protection

Respirator:

required when dusts are generated. Filter 89 B/St (acc. to DIN 3181) for inorganic gases, vapours and dusts
Ensure respirator is clean, well-fitting and in good working order. All respirators should comply with Australian Standard AS 1716 and be used in accordance with AS 1715.

Gloves:

required

Eye protection:

required

Special risks:

Fire-promoting. Keep away from combustible materials. Development of hazardous vapours possible in the event of fire.
The following may develop in event of fire: nitrous gases.

Suitable extinguishing media:

In adaption to materials stored in the immediate neighbourhood. water

Hazardous decomposition products

nitrous gases.

Other precautions:

Change contaminated clothing. Application of skin- protective barrier cream recommended.
Wash hands after working with substance.

Safe Handling Information:

UN Number: 1500

Dangerous Goods Class and Subsidary Risk: 5.1

Packaging Group: III

Risk: R: 8-25
Contact with combustible material may cause fire. Toxic if swallowed.

Storage:

Handling: No further requirements.
Storage: Tightly closed. Dry. Away from combustible substances. Keep away from sources of ignition and heat. At room temperature (recommendation: +15 to +25ºC). Accessible only for authorized persons.

Spillage and disposal:

Wear appropriate protective clothing.
If local regulations permit, transfer spillage into containers of water, stir to dissolve or suspend and run to waste, diluting greatly with running water. Otherwise mix with wet sand, transfer to container and arrange removal by disposal company. As contact with any oxidant can render organic matter (paper, wood, textiles) dangerously combustible, wash area of spillage and contaminated clothing thoroughly with water.
For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

Do not allow to enter drinking water supplies, waste water, or soil. Toxic for lower aquatic organisms.#

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

Product: There are no uniform Australian Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in Australia through Commonwealth, State, Territory or Local government laws and regulations. We recommend that you contact either the authorities in charge or licenced waste disposal companies which will advise you on how to dispose of special waste.

Packaging: Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

Fire and explosion:

Fire-promoting. Keep away from combustible materials. Development of hazardous vapours possible in the event of fire.
The following may develop in event of fire: nitrous gases.

Other Information:

***EC Hazard symbols:** O T

Risk codes:

R: 8-25
Contact with combustible material may cause fire. Toxic if swallowed.

*** Key to hazard symbols**

Other Information:

Safety codes:

S: 45
In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

Xn = Harmful, Xi = Irritant, T = Toxic, T+ = Very toxic, C = Corrosive, C+ = Very corrosive, F = Flammable, F+ = Very flammable E = Explosive, N = Dangerous for the environment, H = Worksafe undefined hazardous substance

Contact Point

Operations Manager
(03) 9728-5855
Monday through Friday 8:00 am to 5 PM (EST)

Manufacturer's Advice

This Material Safety Data Sheet (MSDS) summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace.

Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace. The use should be considered also in conjunction with other products.

If clarification or further information is needed to ensure that an appropiate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions - a copy of which is sent to our customers, and is also available upon request.