



Sodium Nitrite, Granular Super Free-Flowing Technical Grade

Safety Data Sheet

Safety Data Sheet #: CHE-2027S

Revision Date: June 19, 2023

Version: 3.0

1. Identification

Product identifier

Product Identity

Sodium Nitrite, Granular Super Free-Flowing Technical Grade

Other means of identification

Sodium Nitrite, Granular Super Free-Flowing Technical Grade

Product Form

Mixture

Relevant identified uses of the substance or mixture and uses advised against

Chemical and dye source of nitrous acid. Corrosion inhibitor in antifreeze, paints, oil tanks and pipelines. Oxidizing agent and depolarizer in detinning. Phosphate coatings. Gold plating baths. Heat transfer salt. Polymer inhibitor for synthetic rubber. Nitrous acid source for accelerators, retarders and antioxidants / antiozonants. Foam rubber blowing agent. Wastewater treatment odor control and bacteria activity inhibitor.

Restrictions on use:

Not available

Details of the supplier of the safety data sheet

Company Name

Chemtrade Logistics Inc. (Canada)
155 Gordon Baker Road Suite 300
Toronto, Ontario M2H 3N5

Chemtrade Logistics Inc. (US)
90 East Halsey Road, Suite 200
Parsippany, NJ 07054

Emergency

24 hour Emergency Telephone No.

Chemtrade Emergency Contact: (866) 416-4404 (Toronto)

CHEMTREC +1-800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

Customer Service: Chemtrade Logistics Inc. (Canada) For SDS Info: (416) 496-5856
www.chemtradelogistics.com

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2. Hazard(s) identification

Ingestion may cause methemoglobinemia. Initial manifestation of methemoglobinemia is cyanosis, characterized by navy lips, tongue and mucous membranes, with skin color being slate grey. Further manifestation is characterized by headache, weakness, dyspnea, dizziness, stupor, respiratory distress and death due to anoxia. If ingested, nitrates may be reduced to nitrites by bacteria in the digestive tract. Signs and symptoms of nitrite poisoning include methemoglobinemia, nausea, dizziness, increased heart rate, hypotension, fainting and, possibly shock. Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Classification of the substance or mixture

Oxidizing solid, category 3; H272	May intensify fire; oxidizer.
Acute toxicity(oral), category 3; H301	Toxic if swallowed.
Serious eye damage / eye irritation, category 2; H319	Causes serious eye irritation.
Aquatic toxicity (acute), category 1; H400	Very toxic to aquatic life.

Label elements



Danger

H272 May intensify fire; oxidizer.

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

[Prevention]:

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P220 Keep, Store away from clothing combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, face protection.

[Response]:

P330 IF SWALLOWED: Rinse mouth.

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P301+310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice or attention.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

P391 Collect spillage.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium nitrite CAS Number: 0007632-00-0 Synonyms: Natrium nitrit, Nitrous acid, sodium salt	>97.5	Oxidizing solid, category 3; H272 Acute toxicity(oral), category 3; H301 Aquatic toxicity (acute), category 1; H400 Serious eye damage / eye irritation, category 2; H319	No additional notes
Sodium carbonate CAS Number: 0000497-19-8 Synonyms: Sodium carbonate	<0.15	Serious eye damage / eye irritation, category 2; H319	No additional notes
Sodium nitrate CAS Number: 0007631-99-4 Synonyms: Nitric acid sodium salt	<1.0	Serious eye damage / eye irritation, category 2; H319 Oxidizing solid, category 3; H272	No additional notes
Silicon dioxide CAS Number: 0112926-00-8 Synonyms: Silica, amorphous, precipitated and gel	0.05 - 1.0	Not Classified	No additional notes

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

The specific chemical identity and/or exact percentage of composition are withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Section 4. First aid measures

Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

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Eyes	Irrigate copiously with clean water for at least 30 minutes, holding the eyelids apart and seek medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Drench affected area with water for at least 30 minutes. Obtain medical attention if irritation develops or persists.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview Toxic if swallowed. Causes serious eye irritation.

Acute Health Effects the substance is irritating to the eyes, skin and respiratory tract. Toxic if swallowed.
INHALATION: Prolonged exposure may cause irritation. Respirable dust may be absorbed through the bloodstream and have adverse effects. (IMMEDIATE).
SKIN CONTACT: Exposure may cause skin irritation. (IMMEDIATE).
EYE CONTACT: Causes serious eye irritation. (IMMEDIATE) Contact causes severe irritation with redness and swelling of the conjunctiva.
INGESTION: Toxic if swallowed. (IMMEDIATE). This material is toxic in small amounts orally and can cause adverse health effects or death. Ingestion may cause methemoglobinemia. Initial manifestation of methemoglobinemia is cyanosis, characterized by navy lips, tongue and mucous membranes, with skin color being slate grey. Further manifestation is characterized by headache, weakness, dyspnea, dizziness, stupor, respiratory distress and death due to anoxia. If ingested, nitrates may be reduced to nitrites by bacteria in the digestive tract. Signs and symptoms of nitrite poisoning include methemoglobinemia, nausea, dizziness, increased heart rate, hypotension, fainting and, possibly shock.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

See section 2 for further details.

Eyes	Causes serious eye irritation.
Ingestion	Toxic if swallowed.
Chronic effects	None expected under normal conditions of use.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media: Water. Use water spray or fog.

Unsuitable Extinguishing Media: Do not use carbon dioxide. Do not use ABC dry chemical agents. Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special hazards arising from the substance or mixture

Hazardous thermal decomposition: >320 °C (>608 °F): nitrogen monoxide, nitrogen dioxide and disodium oxide.

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

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Keep, Store away from clothing combustible materials.

Take any precaution to avoid mixing with combustibles.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean up immediately after fire. No smoking.

Fire Hazard: May cause fire or explosion; strong oxidizer. Not combustible but enhances combustion of other substances.

Oxidizer: increases the burning rate of combustible materials. A strong oxidizing agent. In contact with organic matter will ignite by friction.

Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May explode on heating above 530° C (986° F)

Firefighting Instructions: Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. **In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Exercise caution when fighting any chemical fire.**

Hazardous Combustion Products: Nitrogen monoxide, nitrogen dioxide and disodium oxide.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

ERG Guide No. 140

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.

Avoid breathing dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.

No smoking. Keep away from combustible material. Avoid all contact with skin, eyes, or clothing.

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

Environmental precautions

Prevent entry to sewers and public waters. Avoid release to environment.

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

Methods and material for containment and cleaning up

Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

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Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Do not take up in combustible material such as: saw dust or cellulosic material.

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Use only non-sparking tools.

Equip cleanup crew with proper protection.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Store locked up.

Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

See section 2 for further details. - [Prevention]:

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures, incompatible materials, food and drink. Keep in fireproof place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Incompatible materials: Reducing agents, oxidizable substances, ammonium salts, amines, amine compounds, acids, strong bases, combustible materials, powdered metals.

Additional Hazards When Processed: May cause fire or explosion; strong oxidizer.

See section 2 for further details. - [Storage]:

Specific end use(s)

Chemical and dye source of nitrous acid. Corrosion inhibitor in antifreeze, paints, oil tanks and pipelines. Oxidizing agent and depolarizer in detinning. Phosphate coatings. Gold plating baths. Heat transfer salt. Polymer inhibitor for synthetic rubber. Nitrous acid source for accelerators, retarders and antioxidants / antiozonants. Foam rubber blowing agent. Wastewater treatment odor control and bacteria activity inhibitor.

Restrictions on use:

Not available

Section 8. Exposure controls / personal protection

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Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		
0007631-99-4	Sodium nitrate	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		
0007632-00-0	Sodium nitrite	ACGIH	No Established Limit
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit

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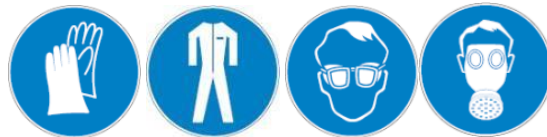
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
0112926-00-8	Silicon dioxide	ACGIH	TWA: 4mg/m ³ (total) 1.5 mg/m ³ (Respirable)
		OSHA	No Established Limit
		NIOSH	No Established Limit
		Alberta	No Established Limit
		British Columbia	4 mg/m ³ TWA (total); 1.5 mg/m ³ TWA (respirable)
		Manitoba	No Established Limit
		New Brunswick	10 mg/m ³ TWA (listed under Silica - amorphous, precipitated silica and silica gel)
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	10 mg/m ³ TWA (listed under Silica amorphous) 20 mg/m ³ STEL (listed under Silica amorphous)
		Nunavut	10 mg/m ³ TWA (listed under Silica amorphous) 20 mg/m ³ STEL (listed under Silica amorphous)
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	6 mg/m ³ TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)
		Saskatchewan	10 mg/m ³ TWA (listed under Silica amorphous) 20 mg/m ³ STEL (listed under Silica amorphous)
		Yukon	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m³ (50 mppcf*) TWA, ACGIH 10 mg/m³.

Exposure controls

Respiratory

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.



Eyes

Chemical safety goggles

Skin

Put on appropriate personal protective equipment. Chemically compatible gloves, protective clothing, and chemical resistant safety goggles. Wear protective gloves. Wear suitable protective clothing.

Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Engineering Controls Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation,

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especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapours may be released. Proper grounding procedures to avoid static electricity should be followed.

Other Work Practices Put on appropriate personal protective equipment. Chemically compatible gloves, chemically resistant materials and fabrics (e.g. fire/flame resistant/retardant clothing) and chemical resistant safety goggles. Insufficient ventilation: wear respiratory protection. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Promptly remove soiled clothing and wash thoroughly before reuse.

Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, and vapours.

Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Wear protective gloves, eye protection, face protection (refer to section 8 for more details).

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Solid
Color	Pale Yellow/straw colored.
Odor	Odourless
Melting point	273 °C (523 °F)
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	No available information
Auto-ignition temperature	No available information
Decomposition temperature	>320 °C (>608 °F)
pH	No available information
Viscosity (cSt)	No available information
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapour pressure (Pa)	No available information
Relative Density	No available information
Vapour Density	No available information
Particle Characteristics	---
Evaporation rate (Ether = 1)	No available information
Specific Gravity	2.168
Bulk Density	76.9 -80.5

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Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

Oxidizer: increases the burning rate of combustible materials.

Chemical stability

May cause fire or explosion; strong oxidizer.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Extremely high or low temperatures, ignition sources, combustible materials, incompatible materials.

Incompatible materials

Reducing agents, oxidizable substances, ammonium salts, amines, amine compounds, acids, strong bases, combustible materials, powdered metals.

Hazardous decomposition products

Thermal decomposition: >320 °C (>608 °F): nitrogen monoxide, nitrogen dioxide and disodium oxide.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Product Acute Toxicity Estimates	88	NA	NA	NA	NA

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium nitrite - (7632-00-0)	85.00, Rat - Category: 3	No data available.	No data available.	5.50, Rat - Category: NA	No data available.
Sodium carbonate - (497-19-8)	2,800.00, Rat - Category: 5	> 2,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Sodium nitrate - (7631-99-4)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
Silicon dioxide - (112926-00-8)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0007631-99-4	Sodium nitrate	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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		ACGIH	No Established Limit
0007632-00-0	Sodium nitrite	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0112926-00-8	Silicon dioxide	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
		ACGIH	No Established Limit
Classification		Category	Hazard Description
Acute toxicity (oral)		3	Toxic if swallowed.
Acute toxicity (dermal)		---	Not Applicable
Acute toxicity (inhalation)		---	Not Applicable
Skin corrosion/irritation		---	Not Applicable
Serious eye damage/irritation		2	Causes serious eye irritation.
Respiratory sensitization		---	Not Applicable
Skin sensitization		---	Not Applicable
Germ cell mutagenicity		---	Not Applicable
Carcinogenicity		---	Not Applicable
Reproductive toxicity		---	Not Applicable
STOT-single exposure		---	Not Applicable
STOT-repeated exposure		---	Not Applicable
Aspiration hazard		---	Not Applicable

Possible routes of entry:

Symptoms and effects, both acute and delayed:

Toxic if swallowed. Causes serious eye irritation.

Acute Health Effects: the substance is irritating to the eyes, skin and respiratory tract. Toxic if swallowed.

INHALATION: Prolonged exposure may cause irritation. Respirable dust may be absorbed through the bloodstream and have adverse effects. (IMMEDIATE).

SKIN CONTACT: Exposure may cause skin irritation. (IMMEDIATE).

EYE CONTACT: Causes serious eye irritation. (IMMEDIATE) Contact causes severe irritation with redness and swelling of the conjunctiva.

INGESTION: Toxic if swallowed. (IMMEDIATE). This material is toxic in small amounts orally and can cause adverse health effects or death. Ingestion may cause methemoglobinemia. Initial manifestation of methemoglobinemia is cyanosis, characterized by navy lips, tongue and mucous membranes, with skin color being slate grey. Further manifestation is characterized by headache, weakness, dyspnea, dizziness, stupor, respiratory distress and death due to anoxia. If ingested, nitrates may be reduced to nitrites by bacteria in the digestive tract. Signs and symptoms of nitrite poisoning include methemoglobinemia, nausea, dizziness, increased heart rate, hypotension, fainting and, possibly shock.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

Most likely route(s) of exposure Skin, Eyes

Eyes Causes serious eye irritation.

Ingestion Toxic if swallowed.

Chronic effects None expected under normal conditions of use.

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Section 12. Ecological information

Toxicity

Very toxic to aquatic life.

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium nitrite - (7632-00-0)	0.11, Oncorhynchus mykiss	15.40, Daphnia magna	159.00, Tetraselmis chuii
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	227.00, Ceriodaphnia sp.	100.00, Algae
Sodium nitrate - (7631-99-4)	101.00, Oncorhynchus mykiss	3,581.00, Daphnia magna	No data available.
Silicon dioxide - (112926-00-8)	10,000.00, Fish	10,000.00, Daphnia magna	10,000.00, Algae

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Dispose of waste material in accordance with all local, regional, federal, provincial, state, territorial and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

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Section 14. Transport information



Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations.

	DOT / TDG (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	UN1500	UN1500	UN1500
UN proper shipping name	UN1500, Sodium nitrite, 5.1, III	Sodium nitrite	Sodium nitrite
Transport hazard class(es)	TDG Hazard Class: 5.1 Sub Class: Not Applicable	IMDG: 5.1 Sub Class: Not Applicable	Air Class: 5.1 Sub Class: Not Applicable
Packing group	III	III	III

Environmental hazards

Marine Pollutant: Yes; (Sodium nitrite)

Special precautions for user

No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

NFPA Ranking

Health (blue) :2

Fire (red) :0

Reactivity (yellow) :1

Special (white) :OX



This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17) and the SDS contains all of the information required by those regulations.

Toxic Substance Control Act (TSCA):

Sodium nitrate (Present)

Sodium carbonate (Present)

Sodium nitrite (Present)

Water ()

EPCRA 311/312 Chemicals and RQs (lbs):

Sodium nitrite (100.00)

Canadian Domestic Substance List (DSL):

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Sodium nitrate
Silicon dioxide
Sodium carbonate
Sodium nitrite
Water

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Silicon dioxide
Sodium nitrite

Pennsylvania RTK Substances (>1%):

Sodium nitrate
Silicon dioxide
Sodium nitrite

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Sodium nitrite (0007632-00-0)	Yes	Yes	Yes	Yes	No	No	No	Yes
Sodium carbonate (0000497-19-8)	Yes	Yes	Yes	Yes	No	No	No	Yes
Sodium nitrate (0007631-99-4)	Yes	Yes	Yes	Yes	No	No	No	Yes

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Silicon dioxide (0112926-00-8)	No	Yes	Yes	No	No	No	No	Yes
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Chemical Name (CAS Number)	China IECSC	Japan ENCS	Japan ISHL	Japan PDSCL	Japan PRTR 1	Japan PRTR 2	Philippines PICCS	New Zealand NZIOC
Sodium nitrite (0007632-00-0)	Yes	Yes	No	Yes	No	No	Yes	Yes
Sodium carbonate (0000497-19-8)	Yes	Yes	Yes	No	No	No	Yes	Yes
Sodium nitrate (0007631-99-4)	Yes	Yes	Yes	No	No	No	Yes	Yes
Silicon dioxide (0112926-00-8)	Yes	Yes	No	No	No	No	Yes	Yes

Section 16. Other information

Revision Date 06/19/2023

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

Revision Summary

Section :	Modification
1	Language modified
2	Updated hazard and precautionary statements and removed abbreviations
4	Language modified
5	Language modified
6	Language modified
7	Language modified
8	Language modified
9	Language modified, modified data
11	Language modified, modified data

Sodium Nitrite, Granular Super Free-Flowing Technical Grade

Safety Data Sheet

12	Language modified, modified data
13	Language modified
14	Language modified
15	Language modified

Handle product with due care and avoid unnecessary contact. This information is supplied under U.S. OSHA'S "Right to Know" (29 CFR 1910.1200) and Canada's WHMIS regulations. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The information contained herein is based on data available to us and is believed to be true and accurate but it is not offered as a product specification. No warranty, expressed or implied, regarding the accuracy of this data, the hazards connected with the use of the product, or the results to be obtained from the use thereof, is made and Chemtrade and its affiliates assume no responsibility. Chemtrade is a member of the CIAC (Chemistry Industry Association of Canada) and adheres to the codes and principles of Responsible Care™.

