

SECTION 1: Identification
1.1. Product identifier

Product form : Mixtures
 Product name : TR84746
 Product code : T84746

1.2. Recommended use and restrictions on use

Recommended use : Scale and Corrosion Inhibitor

1.3. Supplier
Manufacturer

Dober Chemical Corp
 333 W. 195th Street
 60425 Glenwood, IL - US
 T 630-410-7300 - F 630-410-7444
regulatory@dober.com - www.dober.com

1.4. Emergency telephone number

Emergency number : 1-800-255-3924 / 1-813-248-0585
 ChemTel

SECTION 2: Hazard identification
2.1. Classification of the substance or mixture
Classification (GHS-CA)

Acute Tox. 3 (Oral) H301
 Skin Corr. 1C H314
 Carc. 1B H350
 Repr. 1B H360
 STOT SE 3 H335
 Aquatic Acute 1 H400

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label elements, including precautionary statements
GHS-CA labeling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) :

Danger

Hazard statements (GHS-CA) :

H301 - Toxic if swallowed
 H314 - Causes severe skin burns and eye damage
 H335 - May cause respiratory irritation
 H350 - May cause cancer
 H360 - May damage fertility or the unborn child
 H400 - Very toxic to aquatic life

Precautionary statements (GHS-CA) :

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing dust.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves, protective clothing, eye protection, face protection.
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

P310 - Immediately call a POISON CENTER or doctor.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

1.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
82.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
43.36% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
Sodium Nitrite	Diazotizing salts / Nitrous acid, sodium salt / Nitrous acid, sodium salt (1:1) / SODIUM NITRITE	(CAS-No.) 7632-00-0	30 - 60	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2A, H319 Aquatic Acute 1, H400
Disodium Trioxosilicate	Disodium metasilicate / Silicate, disodium / Silicic acid (H ₂ SiO ₃), disodium salt / Sodium metasilicate, anhydrous / Silicic acid, disodium salt / Disodium metasilicate (Na ₂ SiO ₃) / Disodium trioxosilicate / Silicic acid (H ₂ SiO ₃), sodium salt (1:2) / Sodium silicate / Silicic acid, sodium salt (1:2) / SODIUM METASILICATE	(CAS-No.) 6834-92-0	21 - 31	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H335
Tolyltriazole	1H-Benzotriazole, 4(or 5)-methyl- / 1H-Benzotriazole, methyl- / Methyl-1H-benzotriazole / Tolyltriazole / 1H-Benzotriazole, 4 (or 5)-methyl- / 1H-Benzotriazole, 6(or 7)-methyl- / Tolyltriazole / 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt	(CAS-No.) 29385-43-1	8-13	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Disodium Tetraborate, Anhydrous	disodium tetraborate, anhydrous, boric acid, disodium salt Anhydrous borax / Boric acid (H ₂ B ₄ O ₇), disodium salt / Boric acid, disodium salt / Boron sodium oxide / Boron sodium oxide (B ₄ Na ₂ O ₇) / Disodium tetraborate, anhydrous / Sodium borate / Sodium tetraborate / Sodium borate, anhydrous / Sodium tetraborate (anhydrous) / Sodium tetraborate anhydrous / Borates, tetra, sodium salts, anhydrous / Disodium tetraborate anhydrous / Sodium tetraborate, anhydrous / SODIUM BORATE / Sodium borate anhydrous / Borates tetrasodium salts, anhydrous / Borates, (tetra) sodium anhydrous / Tetraborates, sodium salts, anhydrous / Tetraboron disodium heptaoxide	(CAS-No.) 1330-43-4	4-7	Eye Irrit. 2A, H319 Repr. 1B, H360
Phenolphthalein	3,3-Bis(p-hydroxyphenyl)phthalide / 1(3H)-Isobenzofuranone, 3,3-bis(4-hydroxyphenyl)- / 3,3-Bis(4-hydroxyphenyl)phthalide / 3,3-Bis(4-hydroxyphenyl)isobenzofuran-1(3H)-one / Phenolphthalein	(CAS-No.) 77-09-8	0.1 - 1	Muta. 2, H341 Carc. 1B, H350 Repr. 2, H361

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Call a physician immediately. Do not induce vomiting.
First-aid measures general	: Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
------------------------------	----------------------------------

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

No additional information available

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
--------------------------------	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Do not breathe dust.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
--------------------	--

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Disodium Tetraborate, Anhydrous (1330-43-4)		
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (inhalable particulate matter)
USA - ACGIH	ACGIH STEL (mg/m ³)	6 mg/m ³ (inhalable particulate matter)
Canada (Quebec)	VEMP (mg/m ³)	1 mg/m ³
Alberta	OEL STEL (ppm)	3 ppm

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Disodium Tetraborate, Anhydrous (1330-43-4)		
Alberta	OEL TWA (mg/m ³)	1 mg/m ³
British Columbia	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable)
British Columbia	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable)
Manitoba	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable particulate matter)
Manitoba	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable particulate matter)
New Brunswick	OEL TWA (mg/m ³)	1 mg/m ³
Newfoundland & Labrador	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable particulate matter)
Nova Scotia	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable particulate matter)
Nova Scotia	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable particulate matter)
Nunavut	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable fraction)
Nunavut	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable fraction)
Northwest Territories	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable fraction)
Northwest Territories	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable fraction)
Ontario	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable)
Ontario	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable)
Prince Edward Island	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable particulate matter)
Prince Edward Island	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable particulate matter)
Saskatchewan	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable fraction)
Saskatchewan	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable fraction)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear Protective gloves.

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: No data available
Color	: White to yellowish
Odor	: slight
Odor threshold	: No data available
pH	: 10.5 at 1% solution
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Flammability (solid, gas)	: Non flammable
Vapor pressure	: ≤ 0.013 kPa
Vapor pressure at 50 °C	: No data available
Relative vapor density at 20 °C	: ≤ 1
Relative density	: Not applicable
Specific gravity / density	: 0.881 g/ml
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosion limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None under normal use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Toxic if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE CA (oral)	147.82600279 mg/kg body weight
Unknown acute toxicity (GHS-CA)	1.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 82.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 43.36% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Sodium Nitrite (7632-00-0)	
LD50 oral rat	85 mg/kg
LD50 oral	77 mg/kg
LC50 inhalation rat (mg/l)	5.5 mg/l/4h
LC50 inhalation rat (Dust/Mist - mg/l/4h)	5.5 mg/l/4h
Disodium Trioxosilicate (6834-92-0)	
LD50 oral rat	1153 mg/kg
LD50 oral	600 mg/kg
Tolytriazole (29385-43-1)	
LD50 oral rat	675 mg/kg
LD50 dermal rabbit	> 4000 mg/kg
LC50 inhalation rat (mg/l)	> 1.73 mg/l (Exposure time: 1 h)
Disodium Tetraborate, Anhydrous (1330-43-4)	
LD50 oral rat	2660 mg/kg
LD50 oral	1200 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/m ³ (Exposure time: 4 h)

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 10.5 at 1% solution
Serious eye damage/irritation	: Eye damage, category 1, implicit pH: 10.5 at 1% solution
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Carcinogenicity	: May cause cancer.
Reproductive toxicity	: May damage fertility or the unborn child.
Specific target organ toxicity – single exposure	: May cause respiratory irritation.
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life.

Sodium Nitrite (7632-00-0)	
LC50 fish 1	0.19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 fish 2	0.092 - 0.13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
Disodium Trioxosilicate (6834-92-0)	
LC50 fish 1	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 fish 2	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
Tolytriazole (29385-43-1)	
LC50 fish 1	65 mg/l (Exposure time: 96h - Species: Brachidanio rerio)
EC50 Daphnia 1	35.4 mg/l (Exposure time: 48h - Species: Daphnia Magnia)
ErC50 (algae)	62 mg/l (Exposure time: 72h - Species: Scenedesmus subspicatus)
Disodium Tetraborate, Anhydrous (1330-43-4)	
LC50 fish 1	340 mg/l (Exposure time: 96 h - Species: Limanda limanda)
EC50 Daphnia 1	1085 - 1402 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Sodium Nitrite (7632-00-0)	
Log Pow	-3.7 (at 25 °C)
Disodium Tetraborate, Anhydrous (1330-43-4)	
BCF fish 1	(no evidence of bioaccumulation)

12.4. Mobility in soil

Sodium Nitrite (7632-00-0)	
Log Pow	-3.7 (at 25 °C)

12.5. Other adverse effects

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG)	: UN2923
Packing group	: III - Minor Danger
TDG Primary Hazard Classes	: 8 - Class 8 - Corrosives
TDG Subsidiary Classes	: 6.1
Transport document description	: UN2923 CORROSIVE SOLID, TOXIC, N.O.S. (Disodium Trioxosilicate, Sodium Nitrite), 8 (6.1), III
Proper Shipping Name (Transportation of Dangerous Goods)	: CORROSIVE SOLID, TOXIC, N.O.S. (Disodium Trioxosilicate, Sodium Nitrite)

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Hazard labels (TDG) : 8 - Corrosive substances
6.1 - Toxic substances



TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act". (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. SOR/2014-306

Explosive Limit and Limited Quantity Index : 5 kg
Excepted quantities (TDG) : E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 25 kg

14.2. Transport information/DOT

Department of Transport

DOT NA no. : UN2923
UN-No.(DOT) : 2923
Packing group (DOT) : III - Minor Danger
DOT Symbols : G - Identifies PSN requiring a technical name

Transport document description : RQ, UN2923 Corrosive solids, toxic, n.o.s. (Disodium Trioxosilicate, Sodium Nitrite), 8 (6.1), III
RQ of 180 lb due to Sodium Nitrite

Proper Shipping Name (DOT) : Corrosive solids, toxic, n.o.s. (Disodium Trioxosilicate, Sodium Nitrite)

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136
Division (DOT) : 8
Hazard labels (DOT) : 8 - Corrosive
6.1 - Poison



Dangerous for the environment : Yes (ADR 5.2.1.8.1 derogation applies (quantity of liquids < 5 liters or net mass of solids < 5 kg))

Marine pollutant : Yes



TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

DOT Special Provisions (49 CFR 172.102)	: IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 25 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 100 kg
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters", 95 - Stow "separated from" foodstuffs
Emergency Response Guide (ERG) Number	: 154
Other information	: No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	: 2923
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, TOXIC, N.O.S. (Disodium Trioxosilicate, Sodium Nitrite)
Transport document description (IMDG)	: UN 2923 CORROSIVE SOLID, TOXIC, N.O.S. (Disodium Trioxosilicate, Sodium Nitrite), 8 (6.1), III, MARINE POLLUTANT
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger

IATA

UN-No. (IATA)	: 2923
Proper Shipping Name (IATA)	: Corrosive solid, toxic, n.o.s. (Disodium Trioxosilicate, Sodium Nitrite)
Transport document description (IATA)	: UN 2923 Corrosive solid, toxic, n.o.s. (Disodium Trioxosilicate, Sodium Nitrite), 8 (6.1), III
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. National regulations

TR84746

Canada DSL & NDSL Flags	All substances contained in this product are listed on the Canadian Domestic Substance List (DSL) or are not required to be listed.
-------------------------	---

15.2. International regulations

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Sodium Nitrite (7632-00-0)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Poisonous and Deleterious Substances Control Law
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

Disodium Trioxosilicate (6834-92-0)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

Tolytriazole (29385-43-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

Disodium Tetraborate, Anhydrous (1330-43-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

Phenolphthalein (77-09-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

SDS Major/Minor : None
Date of issue : 04/12/2017
Revision date : 10/12/2018
Supersedes : 07/24/2017

Indication of changes:

TR84746

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Modified. Hazards identification. Composition/Information on ingredients. Handling and storage. Exposure controls/personal protection. Toxicological information. Ecological information.

Other information : None.

Full text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Met. Corr. 1	Corrosive to metals Category 1
Muta. 2	Germ cell mutagenicity Category 2
Ox. Sol. 3	Oxidizing solids Category 3
Repr. 1B	Reproductive toxicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Corr. 1C	Skin corrosion/irritation Category 1C
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose

SDS Canada Dober

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.