

# SAFETY DATA SHEET

Issue Date 06-Sep-2019 Revision Date Version 2.3 Page 1/16

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## 1. IDENTIFICATION

**Product identifier** 

Product Name NitraVer® X Nitrogen, Nitrate Reagent B

Other means of identification

Product Code(s) 2605546

Safety data sheet number M00411

Recommended use of the chemical and restrictions on use

Recommended Use Laboratory reagent.

Uses advised against None. Restrictions on use None.

Details of the supplier of the safety data sheet

**Manufacturer Address** 

Hach Company P.O.Box 389 Loveland, CO 80539 USA +1(970) 669-3050

Emergency telephone number

+1(303) 623-5716 - 24 Hour Service

## 2. HAZARDS IDENTIFICATION

## Classification

## **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Respiratory sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1

## Hazards not otherwise classified (HNOC)

Not applicable

## Label elements

## Signal word

Danger

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#### **Hazard statements**

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H370 - Causes damage to organs

H372 - Causes damage to organs through prolonged or repeated exposure

#### **Precautionary statements**

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

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 - Rinse mouth

P501 - Dispose of contents/ container to an approved waste disposal plant

P280 - Wear protective gloves/protective clothing/eye protection/face protection

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 + P313 - If eye irritation persists: Get medical advice/attention

P285 - In case of inadequate ventilation wear respiratory protection

P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor

P405 - Store locked up

P314 - Get medical advice/attention if you feel unwell

## Other Hazards Known

Causes mild skin irritation

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable

## <u>Mixture</u>

Percent ranges are used where confidential product information is applicable.

Chemical name	CAS No.	Percent Range	HMRIC #
Quartz	14808-60-7	60 - 70%	-
Urea	57-13-6	30 - 40%	-
Sodium metabisulfite	7681-57-4	1 - 5%	
2,7-Naphthalenedisulfonic acid, 4,5-dihydroxy-, disodium salt	129-96-4	1 - 5%	ı

## 4. FIRST AID MEASURES

## **Description of first aid measures**

General advice

Show this safety data sheet to the doctor in attendance.

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**Inhalation** May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration.

Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Get immediate medical advice/attention.

**Eye contact**Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If

symptoms persist, call a physician. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical

attention if irritation develops and persists.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. Wash off immediately with

plenty of water for at least 15 minutes. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person. May produce an allergic reaction.

Get immediate medical advice/attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or

wheezing. Itching. Rashes. Hives. Burning sensation.

Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

surrounding environment.

**Unsuitable Extinguishing Media** Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact.

Hazardous combustion products Sodium oxides. Sulfur oxides. Carbon monoxide, Carbon dioxide.

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

**U.S. Notice**Only persons properly qualified to respond to an emergency involving hazardous

substances may respond to a spill according to federal regulations (OSHA 29 CFR

1910.120(a)(v)) and per your company's emergency response plan and

guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations

should respond to a spill involving chemicals.

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

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Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections**See section 8 for more information. See section 13 for more information.

## 7. HANDLING AND STORAGE

## Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation. Provide extract ventilation to points where emissions occur. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Remove contaminated

clothing and shoes.

#### Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children. Store locked up.

Flammability class Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

#### **Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Quartz	TWA: 0.025 mg/m <sup>3</sup>	TWA: 50 µg/m <sup>3</sup>	IDLH: 50 mg/m <sup>3</sup> respirable
CAS#: 14808-60-7	respirable particulate matter	(vacated) TWA: 0.1 mg/m <sup>3</sup>	dust
		:	TWA: 0.05 mg/m <sup>3</sup>
			respirable dust
Sodium metabisulfite CAS#: 7681-57-4	TWA: 5 mg/m <sup>3</sup>	(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

Appropriate engineering controls

Engineering Controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

exceeded or irritation is experienced, ventilation and evacuation may be required.

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**Hand Protection** Wear suitable gloves.

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear Eye/face protection

safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing.

**General Hygiene Considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product. Remove and wash contaminated clothing

and gloves, including the inside, before re-use.

Local authorities should be advised if significant spillages cannot be contained. Do not **Environmental exposure controls** 

allow into any sewer, on the ground or into any body of water.

Thermal hazards None under normal processing.

Solid

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

Physical state

**Appearance** powder White to brown Color Odor None Odor threshold No data available

Remarks • Method Property Values

Molecular weight No data available

pН No data available

Melting point/freezing point No data available

Boiling point / boiling range No data available

Not applicable **Evaporation rate** 

Vapor pressure Not applicable

Vapor density (air = 1) Not applicable

Specific gravity (water = 1 / air = 1) 1.0400

log Kow ~ -0.35 Partition Coefficient (n-octanol/water)

**Soil Organic Carbon-Water Partition** 

**Autoignition temperature** 

**Decomposition temperature** 

Coefficient

No data available

No data available

log Koc ~ 0

**Dynamic viscosity** Not applicable

Kinematic viscosity Not applicable

Solubility(ies)

## Water solubility

Water solubility classification	Water solubility	Water Solubility Temperature
Slightly soluble	> 0.1 mg/L	25 °C / 77 °F

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## Solubility in other solvents

Chemical Name	Solubility classification	<u>Solubility</u>	Solubility Temperature_
None reported	No information available	No data available	No information available

#### Other Information

## **Metal Corrosivity**

Steel Corrosion Rate
Aluminum Corrosion Rate

Not applicable Not applicable

## **Volatile Organic Compounds (VOC) Content**

Not applicable

Chemical name	CAS No.	Volatile organic compounds (VOC) content	CAA (Clean Air Act)
Quartz	14808-60-7	No data available	-
Urea	57-13-6	Not applicable	Χ
Sodium metabisulfite	7681-57-4	Not applicable	-
2,7-Naphthalenedisulfonic acid, 4,5-dihydroxy-, disodium salt	129-96-4	No data available	-

#### **Explosive properties**

Upper explosion limitNo data availableLower explosion limitNo data available

## Flammable properties

Flash point Not applicable

Flammability Limit in Air

Upper flammability limitNo data availableLower flammability limitNo data available

Oxidizing properties No data available.

Bulk density No data available

## **10. STABILITY AND REACTIVITY**

#### Reactivity

Not applicable.

## Chemical stability

Stable under normal conditions.

## **Explosion data**

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

## Possibility of Hazardous Reactions

None under normal processing.

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## Hazardous polymerization

None under normal processing.

#### Conditions to avoid

None known based on information supplied.

## Incompatible materials

Strong oxidizing agents, strong acids, and strong bases.

## **Hazardous Decomposition Products**

Carbon monoxide. Carbon dioxide. Nitrogen oxides. Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

#### Information on Likely Routes of Exposure

## **Product Information**

**Inhalation** May cause sensitization in susceptible persons. May cause irritation of respiratory tract.

**Eye contact** Causes serious eye irritation. May cause redness, itching, and pain.

**Skin contact** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion May cause additional affects as listed under "Inhalation". Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed.

Symptoms Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling

of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Coughing and/ or wheezing. May cause redness and tearing of the eyes.

**Acute toxicity** 

Harmful if swallowed

## **Product Acute Toxicity Data**

No data available.

#### **Ingredient Acute Toxicity Data**

Test data reported below.

#### **Oral Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Quartz (60 - 70%) CAS#: 14808-60-7	Rat LD50	500 mg/kg	None reported	None reported	IUCLID (The International Uniform Chemical Information Database)
Sodium metabisulfite (1 - 5%) CAS#: 7681-57-4	Rat LD50	500 mg/kg	None reported	None reported	Vendor SDS
2,7-Naphthalenedisul fonic acid, 4,5-dihydroxy-, disodium salt (1 - 5%) CAS#: 129-96-4	Rat LD₅o	> 5000 mg/kg	None reported	None reported	Vendor SDS

## **Dermal Exposure Route**

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Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Sodium metabisulfite (1 - 5%)	Rat LD <sub>50</sub>	> 2000 mg/kg	None reported	None reported	LOLI
CAS#: 7681-57-4					

## Inhalation (Dust/Mist) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Sodium metabisulfite	Rat	> 5.5 mg/L	4 hours	None reported	RTECS (Registry of Toxic
(1 - 5%)	LC50				Effects of Chemical
CAS#: 7681-57-4					Substances)

#### **Unknown Acute Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity.

## **Acute Toxicity Estimations (ATE)**

## The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	735.40 mg/kg			
ATEmix (dermal)	No information available			
ATEmix (inhalation-dust/mist)	151.13 mg/L			
ATEmix (inhalation-vapor)	No information available			
ATEmix (inhalation-gas)	No information available			

## Skin corrosion/irritation

May cause skin irritation.

## **Product Skin Corrosion/Irritation Data**

No data available.

## Ingredient Skin Corrosion/Irritation Data

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Urea (30 - 40%) CAS#: 57-13-6	Standard Draize Test	Human	22 mg	72 hours	Mild skin irritant	RTECS (Registry of Toxic Effects of Chemical Substances)
2,7-Naphthalenedisul fonic acid, 4,5-dihydroxy-, disodium salt (1 - 5%) CAS#: 129-96-4	Existing human experience	Human	None reported	None reported	Skin irritant	No information available

<u>Serious eye damage/irritation</u>
Classification based on data available for ingredients. Irritating to eyes.

## **Product Serious Eye Damage/Eye Irritation Data**

No data available.

## Ingredient Eye Damage/Eye Irritation Data

Test data reported below.

Chemical name	Test method	Species	Reported	Exposure	Results	Key literatu	re
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			dose	time		references and sources for data
Urea (30 - 40%) CAS#: 57-13-6	OECD Test 405: Acute Eye Corrosion/Irritation	Rabbit	0.1 mL	Single application	Mild eye irritant	ECHA (The European Chemicals Agency)
Sodium metabisulfite (1 - 5%) CAS#: 7681-57-4	Standard Draize Test	Rabbit	107 mg	None reported	Corrosive to eyes	RTECS (Registry of Toxic Effects of Chemical Substances)
2,7-Naphthalenedisul fonic acid, 4,5-dihydroxy-, disodium salt (1 - 5%) CAS#: 129-96-4	Existing human experience	Human	None reported	None reported	Eye irritant	No information available

#### Respiratory or skin sensitization

May cause sensitization by inhalation.

## **Product Sensitization Data**

No data available.

## **Ingredient Sensitization Data**

Test data reported below.

## **Respiratory Sensitization Exposure Route**

Chemical name	Test method	Species	Results	Key literature references and sources for data
Sodium metabisulfite	Based on human	Human	Confirmed to be a respiratory	GESTIS (Information System on
(1 - 5%)	experience		sensitizer	Hazardous Substances of the
CAS#: 7681-57-4				German Social Accident Insurance)

## STOT - single exposure

Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs if swallowed.

## **Product Specific Target Organ Toxicity Single Exposure Data**

No data available.

## Ingredient Specific Target Organ Toxicity Single Exposure Data

No data available.

#### STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

## **Product Specific Target Organ Toxicity Repeat Dose Data**

No data available.

#### Ingredient Specific Target Organ Toxicity Repeat Exposure Data

Test data reported below.

## **Oral Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Sodium metabisulfite (1 - 5%) CAS#: 7681-57-4	Rat TD∟₀	75 mg/kg	15 days	Biochemical Enzyme inhibition, induction, or change in blood or tissue levels (phosphatases and	

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	dehydrogenases) Kidney, Ureter, or Bladder	
	Other changes in urine composition	

## **Dermal Exposure Route**

Chemical name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and
	type	dose	time		sources for data
Urea	Rat	3024 mg/kg	28 days	Liver	RTECS (Registry of Toxic
(30 - 40%)	TDLo		-	Changes in liver weight	Effects of Chemical
CAS#: 57-13-6				Endocrine	Substances)
				Changes in thymus weight	·
				Chronic	
				Changes in testicular weight	

## Inhalation (Dust/Mist) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Urea	Rat	288 mg/m <sup>3</sup>	17 weeks	Kidney, Ureter, or Bladder	RTECS (Registry of Toxic
(30 - 40%)	TCL₀			Other changes in urine	Effects of Chemical
CAS#: 57-13-6				composition	Substances)
				Nutritional and Gross	
				Metabolic	
				Changes in chlorine	

## Carcinogenicity

Based on available data, the classification criteria are not met.

## **Product Carcinogenicity Data**

No data available.

## **Ingredient Carcinogenicity Data**

Test data reported below.

Chemical name	CAS No.	ACGIH	IARC	NTP	OSHA
Quartz	14808-60-7	A2	Group 1	Known	X
Urea	57-13-6	-	-	-	-
Sodium metabisulfite	7681-57-4	-	Group 3	-	-
2,7-Naphthalenedisulfonic	129-96-4	-	-	-	-
acid, 4,5-dihydroxy-,					
disodium salt					

## **Legend**

ACGIH (American Conference of Governmental Industrial Hygienists)	A2 - Suspected Human Carcinogen		
IARC (International Agency for Research on Cancer)	Group 1 - Carcinogenic to Humans		
	Group 3 - Not classifiable as a human		
	carcinogen		
NTP (National Toxicology Program)	Known - Known Carcinogen		
OSHA (Occupational Safety and Health Administration of the US Department of	X - Present		
Labor)			

## **Oral Exposure Route**

Chemical name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and	
	type	dose	time		sources for data	
Urea	Rat	2250 mg/kg	1.0 years	Negative results for	ECHA (The European	
(30 - 40%)	NOAEL		-	carcinogenicity	Chemicals Agency)	

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- 1	C / C # · E 7 12 G			
- 1	CAS#: 57-13-6			
- 1	0/10/// 0/ 10 0			

## Germ cell mutagenicity

Based on available data, the classification criteria are not met.

## Product Germ Cell Mutagenicity invitro Data

No data available.

## Ingredient Germ Cell Mutagenicity invitro Data

Test data reported below.

Chemical name	Test	Cell Strain	Reported dose	Exposure time	Results	Key literature references and
						sources for data
Urea	DNA damage	Mouse lymphoma	43000 mg/L	None	Positive test result for	ECHA (The
(30 - 40%)				reported	mutagenicity	European
CAS#: 57-13-6						Chemicals
						Agency)
Sodium metabisulfite	Cytogenetic	Hamster ovary	0.18 mg/L	None	Positive test result for	RTECS (Registry
(1 - 5%)	analysis			reported	mutagenicity	of Toxic Effects of
CAS#: 7681-57-4	•					Chemical
						Substances)

## Product Germ Cell Mutagenicity invivo Data

No data available.

## Ingredient Germ Cell Mutagenicity invivo Data

Test data reported below.

## **Oral Exposure Route**

Chemical name	Test	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Urea (30 - 40%) CAS#: 57-13-6	Chromosomal abberation	Mouse	500 mg	5 days	Inconclusive test result for mutagenicity	ECHA (The European Chemicals Agency)

## Reproductive toxicity

Based on available data, the classification criteria are not met.

## **Product Reproductive Toxicity Data**

No data available.

## **Ingredient Reproductive Toxicity Data**

Test data reported below.

## **Oral Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Urea (30 - 40%) CAS#: 57-13-6	Rat NOAEL	> 1000 mg/kg	Single generation	No reproductive or developmental toxic effects observed	ECHA (The European Chemicals Agency)
Sodium metabisulfite (1 - 5%) CAS#: 7681-57-4	Rat TD∟₀	20000 mg/kg	None reported	Effects on Newborn Stillbirth	RTECS (Registry of Toxic Effects of Chemical Substances)

## **Aspiration hazard**

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Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Based on available data, the classification criteria are not met.

**Unknown aquatic toxicity** 0% of the mixture consists of components(s) of unknown hazards to the aquatic

environment.

**Product Ecological Data** 

Aquatic Acute Toxicity No data available.

**Aquatic Chronic Toxicity** 

No data available.

**Ingredient Ecological Data** 

**Aquatic Acute Toxicity** 

Test data reported below.

#### **Fish**

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sodium metabisulfite (1 - 5%) CAS#: 7681-57-4	96 hours	Salmo gairdneri	LC <sub>50</sub>	15 mg/L	IUCLID (The International Uniform Chemical Information Database)

## Algae

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sodium metabisulfite (1 - 5%) CAS#: 7681-57-4		Scenedesmus subspicatus	EC <sub>50</sub>	40 mg/L	IUCLID (The International Uniform Chemical Information Database)

#### **Aquatic Chronic Toxicity**

No data available.

## Persistence and degradability

**Product Biodegradability Data** 

No data available.

**Bioaccumulation** 

**Product Bioaccumulation Data** 

No data available.

Partition Coefficient (n-octanol/water) log K<sub>ow</sub> ~ -0.35

**Mobility** 

Soil Organic Carbon-Water Partition Coefficient  $\log K_{oc} \sim 0$ 

Other adverse effects

No information available.

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## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

products

Waste from residues/unused

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Special instructions for disposal** Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate.

Open cold water tap completely, slowly pour the reacted material to the drain. Flush system

with plenty of water.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

**Note:** No special precautions necessary.

## **Additional information**

There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.

If the item is part of a reagent set or kit the classification would change to the following:

UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III.

If the item is not regulated, the Chemical Kit classification does not apply.

## 15. REGULATORY INFORMATION

National Inventories

TSCA Complies DSL/NDSL Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

## **International Inventories**

**EINECS/ELINCS** Complies **ENCS** Complies **IECSC** Complies Complies **KECL PICCS** Complies **TCSI** Complies **AICS** Complies Complies **NZIoC** 

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

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TCSI - Taiwan Chemical Substances Inventory

**AICS** - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

## **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

## SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

## **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

## **US State Regulations**

## **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Quartz (CAS #: 14808-60-7)	Carcinogen

WARNING: This product can expose you to chemicals including Quartz, which is known to the State of California to cause cancer

For more information, go to <a href="http://www.P65Warnings.ca.gov">http://www.P65Warnings.ca.gov</a>

#### U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Quartz	X	X	X
14808-60-7			
Sodium metabisulfite 7681-57-4	Х	Х	Х

#### **U.S. EPA Label Information**

Chemical name	FIFRA	FDA	
Urea	180.0950	21 CFR 184.1923	
Sodium metabisulfite	-	21 CFR 182.3766	

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## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

#### **Special Comments**

None

#### **Additional information**

## Global Automotive Declarable Substance List (GADSL)

Chemical name	Global Automotive Declarable Substance List Classifications	Global Automotive Declarable Substance List Thersholds
Quartz 14808-60-7	Declarable Substance (FA)	0 %
Sodium metabisulfite 7681-57-4	Declarable Substance (LR) Prohibited Substance (LR)	0 %

#### NFPA and HMIS Classifications

NFPA	Health hazards - 3	Flammability - 0	Instability - 0	Physical and chemical properties -
HMIS	Health hazards - * - 2	Flammability - 0	Physical hazards - 0	Personal protection - X

## Key or legend to abbreviations and acronyms used in the safety data sheet

NIOSH IDLH Immediately Dangerous to Life or Health

ACGIH ACGIH (American Conference of Governmental Industrial Hygienists)

NDF no data

## Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

MAC Maximum Allowable Concentration Ceiling Ceiling Limit Value

X Listed Vacated These values have no official status. The only

binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state

regulations.

SKN\* Skin designation SKN+ Skin sensitization
RSP+ Respiratory sensitization \*\* Hazard Designation
C Carcinogen R Reproductive toxicant

M mutagen

Prepared By Hach Product Compliance Department

**Issue Date** 06-Sep-2019

Revision Date 26-Dec-2019

Revision Note None

**Disclaimer** 

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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**End of Safety Data Sheet** 

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