Be Right™ Revision Date 17-Mar-2025

SAFETY DATA SHEET

Version 3.6

Section 1: Identification

Product identifier

Product Name ZincoVer® 5 Zinc Reagent Powder Pillows

Safety data sheet number M00048

Other means of identification

Pure substance/mixture Mixture

Molecular weight

Recommended use of the chemical and restrictions on use

Recommended Use Laboratory reagent. Determination of zinc

Uses advised against Consumer use

Manufacturer or supplier details

Manufacturer Address

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

For further information, please contact

Emergency telephone number

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

Section 2: Hazard identification

Classification of the substance or mixture

Classification

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 3 - (H311)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2A - (H319)
Reproductive toxicity	Category 1B - (H360)
Specific target organ toxicity (single exposure)	Category 1 Category 3 - (H370, H335)
Category 3 Respiratory irritation	
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

Label elements



Signal word

Danger

Hazard statements

H302 - Harmful if swallowed.

H311 - Toxic in contact with skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

H360 - May damage fertility or the unborn child.

H370 - Causes damage to organs.

H372 - Causes damage to organs through prolonged or repeated exposure.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

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

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse.

P405 - Store locked up.

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

P271 - Use only outdoors or in a well-ventilated area.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

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.

P201 - Obtain special instructions before use.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

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

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

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

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P273 - Avoid release to the environment.

P391 - Collect spillage.

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

P330 - Rinse mouth.

Unknown aquatic toxicityContains 0 % of components with unknown hazards to the aquatic environment.

Other Hazards Known

Other hazards No information available.

Section 3: Composition/information on ingredients

Substance

Not applicable

<u>Mixture</u>

Chemical Family Mixture.

Chemical nature Mixture of inorganic salts.

Chemical name	CAS No.	Weight-%
Boron potassium oxide (B4K2O7)	1332-77-0	50 - 60%
Boron oxide (B2O3)	1303-86-2	10 - 20%
Potassium cyanide	151-50-8	1 - 5%

Section 4: First-aid measures

Description of necessary first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is

required.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical

attention immediately if symptoms occur. If breathing has stopped, give artificial respiration.

Get medical attention immediately. If symptoms persist, call a physician.

Eye contact Get immediate medical attention. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses,

if present and easy to do. Continue rinsing. Do not rub affected area.

Skin contact Get immediate medical attention. Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Get immediate medical 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 direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required.

See section 8 for more information.

Most important symptoms/effects, acute and delayed

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

Difficulty in breathing.

Effects of Exposure May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.

Causes damage to organs. Causes damage to organs through prolonged or repeated

exposure.

Indication of immediate medical attention and special treatment needed, if necessary

Section 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the

chemical

No information available.

Special protective equipment and precautions for fire-fighters

Special protective equipment and precautions for fire-fighters

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

Use personal protection equipment.

Section 6: Accidental release measures

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. Avoid generation of

dust. Do not breathe dust.

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

For emergency responders Use personal protection recommended in Section 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 upTake up mechanically, placing in appropriate containers for disposal.

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

Section 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. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Avoid breathing vapors or mists. In case of insufficient

ventilation, wear suitable respiratory equipment.

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. Regular cleaning of equipment, work area

and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid breathing dust/fume/gas/mist/vapors/spray.

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. Accessible only for authorized persons.

Section 8: Exposure controls/personal protection

Control Parameters

Occupational exposure limits

Chemical name	Singapore	ACGIH TLV
Boron potassium oxide (B4K2O7)		TWA: 2 mg/m³ inhalable particulate
1332-77-0		matter
		STEL: 6 mg/m³ inhalable particulate
		matter
Boron oxide (B2O3)	PEL: 10 mg/m ³	TWA: 10 mg/m ³
1303-86-2		-
Potassium cyanide	STEL: 5 mg/m ³	Sk*
151-50-8		Ceiling: 5 mg/m³ CN

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Personal protection

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves. Impervious gloves. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1:2016. Barrier creams may help to protect the exposed areas of skin.

Gloves							
Duration of contact	Glove thickness	Break through time					
Short term	Wear protective nitrile rubber gloves	0,20 mm	>30 minutes				
Long term (repeated)	Wear protective Viton™ gloves	0,70 mm	>480 minutes				

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Respiratory protection

Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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ABEK-P3.

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. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid breathing dust/fume/gas/mist/vapors/spray.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state

Solid

Appearance powder Odorless

Color purple
Odor threshold Not applicable

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

Molecular weight Not applicable

pH 8.7 5% Solution

Melting point / freezing point 155 °C / 311 °F

Initial boiling point and boiling range No data available

Evaporation rate Not applicable

Vapor pressure Not applicable

Relative vapor density No data available

Specific gravity - VALUE 1 1.83

Partition coefficient log Kow ~ -1.6

Soil Organic Carbon-Water Partition

Coefficient Autoignition temperature log K_{oc} ~ 0.07

No data available

Decomposition temperature No data available

Dynamic viscosity Not applicable

Kinematic viscosity Not applicable

Solubility(ies)

Water solubility

Water solubility classification	Water solubility	Water Solubility Temperature
Soluble	> 1000 mg/L	25 °C / 77 °F

Solubility in other solvents

Chemical Na	meSolubility clas	ssification Solubility	Solubility Temperature
Acid	Solub	ole > 1000 mg/l	_ 25 °C / 77 °F

Other information

Corrosive to metals

Steel Corrosion RateNot applicableAluminum Corrosion RateNot applicable

Volatile Organic Compounds (VOC) Content

Not applicable

Chemical name	CAS No.	Volatile organic compounds (VOC) content	CAA (Clean Air Act)
Boron potassium oxide (B4K2O7)	1332-77-0	No data available	-
Boron oxide (B2O3)	1303-86-2	No data available	-
Potassium cyanide	151-50-8	Not applicable	-

Explosive properties

Upper explosion limitNo data availableLower explosion limitNo data available

Flammable properties

Flash point Not applicable

Flammability Limit in Air

Upper flammability limit:No data availableLower flammability limit:No data available

Oxidizing properties No data available.

Bulk density Not applicable

Section 10: Stability and reactivity

Reactivity

Reactivity No information available.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None. **Sensitivity to static discharge** None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

<u>Conditions to avoid</u> Excessive heat.

<u>Incompatible materials</u> Strong acids. Strong bases. Strong oxidizing agents.

<u>Hazardous Decomposition Products</u> Cyanide. Boron compounds. Nitrogen oxides. Potassium oxide. Contact with acids/acid fumes releases toxic cyanide gas.

Section 11: Toxicological information

Toxicological information

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract. Harmful by inhalation.

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

Skin contact Causes skin irritation. Toxic in contact with skin.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if

swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

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

Acute toxicity

Harmful if swallowed
Toxic in contact with skin
Harmful if inhaled

Mixture

Test data reported below. **Oral Exposure Route**

Endpoint type	Reported dose	Toxicological	Key literature references and sources for data
Rat	383 mg/kg	effects	Outside testing
LD ₅₀		Behavioral	
		Loss of righting	
		reflex	
		Sedation	
		Tonic convulsions	
		Eye	
		Ptosis	
		Gastrointestinal	
		Enteritis in the	
		large intestine	
		Enteritis in the	
		small intestine	
		Lungs, Thorax,	
		or Respiration	
		Congestion of the	
		lungs	
		Respiratory	
		depression	
		Infection of the	
		lungs	
		Skin and	
		Appendages	
	1	Piloerection	

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
Boron potassium oxide (B4K2O7) (50 - 60%) CAS#: 1332-77-0	Rat LD ₅₀	3500 mg/kg	None reported	None reported	Vendor SDS
Boron oxide (B2O3) (10 - 20%) CAS#: 1303-86-2	Rat LD₅₀	3150 mg/kg	None reported	None reported	RTECS
Potassium cyanide (1 - 5%) CAS#: 151-50-8	Rat LD₅₀	5 mg/kg	None reported	None reported	GESTIS

Dermal Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Boron potassium oxide (B4K2O7) (50 - 60%) CAS#: 1332-77-0	Rat LD ₅₀	> 2000 mg/kg	None reported	None reported	Vendor SDS
Potassium cyanide (1 - 5%) CAS#: 151-50-8	Rabbit LD50	22.3 mg/kg	None reported	None reported	Vendor SDS

Inhalation (Dust/Mist) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Potassium cyanide (1 - 5%) CAS#: 151-50-8	Rat LC ₅₀	0.04 mg/L	4 hours	None reported	ERMA

Toxic in contact with skin. Harmful if swallowed. Harmful by inhalation.

Numerical measures of toxicity

No information available

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

ATEmix (dermal) 743.30 mg/kg ATEmix (inhalation-dust/mist) 1.67 mg/kg

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Classification based on data available for ingredients. Causes skin irritation.

Mixture

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
Boron potassium oxide (B4K2O7) (50 - 60%) CAS#: 1332-77-0	Standard Draize Test	Rabbit	500 mg	4 hours	Skin irritant	ECHA
Boron oxide (B2O3) (10 - 20%) CAS#: 1303-86-2	Standard Draize Test	Rabbit	500 mg	24 hours	Mild skin irritant	ECHA

Serious eye damage/eye irritation

Classification based on data available for ingredients. Causes serious eye irritation.

Mixture

No data available.

Ingredient Eye Damage/Eye Irritation Data

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Boron potassium oxide (B4K2O7) (50 - 60%) CAS#: 1332-77-0	OECD Test 405: Acute Eye Corrosion/Irritation	Rabbit	100 mg	24 hours	Eye irritant	ECHA
Boron oxide (B2O3) (10 - 20%) CAS#: 1303-86-2	Standard Draize Test	Rabbit	100 mg	24 hours	Mild eye irritant	ECHA

Respiratory or skin sensitization

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

Mixture

No data available.

Ingredient Sensitization Data

No data available.

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. Causes damage to organs in contact with skin. May cause respiratory irritation.

Mixture

No data available.

Ingredient Specific Target Organ Toxicity Single 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
Potassium cyanide	Man	13.7 mg/kg	None reported	Behavioral	RTECS
(1 - 5%)	TD_Lo			Coma	
CAS#: 151-50-8				Convulsions or effect on seizure	
				threshold	
				Blood	
				Metabolic acidosis	

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Mixture

No data available.

Ingredient Specific Target Organ Toxicity Repeat Exposure Data

Test data reported below.

Oral Exposure Route

Chemical name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and
	type	dose	time		sources for data
Potassium cyanide	Rat	4.5 mg/kg	15 days	Nutritional and Gross	RTECS
(1 - 5%)	TDLo			Metabolic	
CAS#: 151-50-8				Evidence of thyroid	
				hypofunction, Changes in thyroid	
				weight	

Carcinogenicity

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

Mixture

No data available.

Ingredient Carcinogenicity Data

No data available.

Germ cell mutagenicity

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

Mixture invitro Data No data available. Substance invitro Data

Test data reported bel	OW.					
Chemical name	Test	Cell Strain	Reported dose	Exposure time	Results	Key literature references and sources for data
Boron oxide (B2O3) (10 - 20%) CAS#: 1303-86-2	Mutation in microorganisms	Mammalian cells - not specified	None reported	None reported	Negative	RTECS
Potassium cyanide (1 - 5%) CAS#: 151-50-8	DNA inhibition	Mouse lymphocyte	1 mmol/L	None reported	Positive test result for mutagenicity	RTECS

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Mixture invivo Data

No data available.

Substance invivo Data

No data available.

Reproductive toxicity

Classification based on data available for ingredients. May damage fertility or the unborn child.

Mixture

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
Potassium cyanide	Domestic	1767 mg/kg	12 weeks	Effects on Newborn	RTECS
(1 - 5%)	mammal - Not			Other neonatal measures or	
CAS#: 151-50-8	specified			effects	
	. TDro			Weaning or lactation index (e.g.	
				# alive at weaning per # alive at	
				day 4)	

Aspiration hazard

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

Other adverse effects

No information available.

Section 12: Ecological information

Toxicity

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Unknown aquatic toxicityContains 0 % of components with unknown hazards to the aquatic environment.

Mixture

Aquatic Acute Toxicity

No data available.

Aquatic Chronic Toxicity

No data available.

Substance

Aquatic Acute Toxicity

Test data reported below.

Fish

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Potassium cyanide (1 - 5%) CAS#: 151-50-8	96 hours	None reported	LC50	0.068 mg/L	GESTIS

Crustacea

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Boron oxide (B2O3) (10 - 20%) CAS#: 1303-86-2	48 Hours	Daphnia magna	LC ₅₀	370 mg/L	IUCLID
Potassium cyanide (1 - 5%) CAS#: 151-50-8	48 Hours	None reported	LC50	0.25 mg/L	GESTIS

Aquatic Chronic Toxicity

No data available.

Persistence and degradability

Mixture

No data available.

Bioaccumulation

Material does not bioaccumulate

Mixture

No data available.

Partition coefficient

Mobility

Soil Organic Carbon-Water Partition Coefficient

log K_{oc} ~ 0.07

 $log K_{ow} \sim -1.6$

Other adverse effects
No information available

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Potassium cyanide (1 - 5%)	Group III Chemical	-	-
CAS#: 151-50-8			

Section 13: Disposal considerations

Waste treatment methods

Waste from residues/unused

products

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

environmental legislation.

Contaminated packaging Do not reuse empty containers.

Other Information Waste codes should be assigned by the user based on the application for which the product

was used.

Section 14: Transport information

Note: No special precautions necessary.

<u>IATA</u>

14.1 UN number or ID number UN1588

14.2

14.3Transport hazard class(es)6.114.4Packing groupIII14.5Environmental hazardsYes

14.6 Special precautions for user

Special Provisions A3, A13

IMDG

14.1 UN number or ID number UN1588

14.2

14.3 Transport hazard class(es)
14.4 Packing Group
14.5 Environmental hazards
6.1 III
Yes

14.6 Special precautions for user

Special Provisions 47, 223, 274 F-A S-A

14.7 Maritime transport in bulk according to IMO instruments

Rail transport

14.1 UN number or ID number UN1588

14.2 UN proper shipping name CYANIDES, INORGANIC, SOLID, N.O.S. (Potassium cyanide)

14.3 Transport hazard class(es) 6.1 14.4 Packing Group

Description UN1588, CYANIDES, INORGANIC, SOLID, N.O.S. (Potassium cyanide), 6.1, III,

Environmentally Hazardous

14.5 Environmental hazards Yes

14.6 Special precautions for user

Special Provisions None **Classification code** T5

Road transport

14.1 UN number or ID number 1588

14.2 UN proper shipping name CYANIDES, INORGANIC, SOLID, N.O.S. (Potassium cyanide)

14.3 Transport hazard class(es) 6.1 **14.4 Packing Group** III

Description 1588, CYANIDES, INORGANIC, SOLID, N.O.S. (Potassium cyanide), 6.1, III,

Environmentally Hazardous

14.5 Environmental hazards

14.6 Special precautions for user

Special Provisions 47, 274
Classification code T5
Tunnel restriction code (E)

Section 15: Regulatory information

Regulatory information

National regulations

Environmental Protection and Management (Hazardous Substances) Regulations

Yes

Verify that license requirements are met.

Chemical name	Hazardous Substances	transport

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Deteccione evenide	Decomp	50kg avcont Cyanagan chlorida
Potassium cvanide	Present	50kg except Cyanogen chloride

Environmental Public Health Act

Dispose of waste product or used containers according to local regulations.

Hazardous Waste (Control of Export, Import and Transit) Act

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Take note that wastes may be subject to export, import, or transit controls pursuant to the Basel convention and/or local regulations implementing the Basel

Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives) Regulations

Regulated. See section 14 for more information.

Strategic Goods (Control) Act

Verify that requirements related to using, handling, and storing substances subject to prohibition, authorization or restriction are

Chemical name	Strategic Goods (Control) Act
Boron potassium oxide (B4K2O7)	1C225
Boron oxide (B2O3)	1C225
Potassium cyanide	1C350

Workplace Safety and Health Act

See section 8 for national exposure control parameters. Comply with the health and safety at work laws.

International Regulations

The Rotterdam Convention Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

International Inventories

Complies **TSCA DSL/NDSL** Complies Complies **EINECS/ELINCS**

ENCS Contact supplier for inventory compliance status

IECSC Complies **KECI** Complies Complies **PICCS** Complies **AICS**

NZIoC

TCSI Contact supplier for inventory compliance status.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

No information available **Chemical Safety Report**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

Section 16: Other information

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

ACGIH (American Conference of Governmental Industrial Hygienists)
ATSDR (Agency for Toxic Substances and Disease Registry)
CCRIS (Chemical Carcinogenesis Research Information System)

CDC (Center for Disease Control)

CEPA (Canadian Environmental Protection Agency)

CICAD CICAD (Concise International Chemical Assessment Documents)

ECHA ECHA (The European Chemicals Agency)
EEA EEA (European Environment Agency)
EPA Environmental Protection Agency

ERMA ERMA (New Zealands Environmental Risk Management Authority)

ECOSARS Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™

FDA FDA (Food & Drug Administration)

GESTIS GESTIS (Information System on Hazardous Substances of the German Social Accident

Insurance)

HSDB (Hazardous Substances Data Bank)

INERIS INERIS (The National Industrial Environment and Risks Institute)
IPCS INCHEM IPCS INCHEM (International Programme on Chemical Safety)
IUCLID IUCLID (The International Uniform Chemical Information Database)
NITE Japan National Institute of Technology and Evaluation (NITE)

NIH NIH (National Institutes of Health)

NIOSH NIOSH (National Institute for Occupational Safety and Health)
LOLI LOLI (List of Lists - An International Chemical Regulatory Database)

NDF no data

NICNAS Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH IDLH Immediately Dangerous to Life or Health

OSHA Occupational Safety and Health Administration of the US Department of Labor

PEEN (Pan European Ecological Network)

RTECS (Registry of Toxic Effects of Chemical Substances)
SIDS (Screening Information Dataset) for High Volume Chemicals

SYKE The Finnish Environment Institute (SYKE)
USDA USDA (United States Department of Agriculture)
USDC USDC (United States Department of Commerce)

WHO (World Health Organization)

<u>Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</u>

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
 08-Nov-2024

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 17-Mar-2025

Revision Note No information available

Restrictions on use For Laboratory Use Only.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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