



SDS DATE: May 29, 2023

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Nickel Colorimetric Assay Kit  
**PRODUCT CODES:** Cat# MA-0170  
**RESTRICTIONS ON USE:** For laboratory research purposes only. Not for drug or household use.  
**MANUFACTURER:** AkrivisBio, Inc.  
**ADDRESS:** 48511 Warm Springs Blvd., Suite 213, Fremont, CA 94539  
**EMERGENCY PHONE:** 408-739-9315  
**OTHER CALLS:**  
**FAX PHONE:**  
**EMAIL:** [sds@akrivisbio.com](mailto:sds@akrivisbio.com)

**SECTION 2: HAZARDS IDENTIFICATION**

Component	Description	Volume	Safety Information
Nickel Assay Buffer	Contains Sodium Borate	20 ml	See below
Nickel Reagent	Contains $\beta$ -Mercaptoethanol (BME)	1 ml	See below
Nickel Chloride Standard	Contains nickel chloride >1%	1 vial	See below

**Nickel chloride:****Emergency Overview****GHS Classification:**

Acute toxicity, Oral (Category 3), H301  
Acute toxicity, Inhalation (Category 3), H331  
Skin irritation (Category 2), H315  
Respiratory sensitization (Category 1), H334  
Skin sensitization (Category 1), H317  
Germ cell mutagenicity (Category 2), H341  
Carcinogenicity (Category 1A), H350  
Reproductive toxicity (Category 1B), H360  
Specific target organ toxicity - repeated exposure (Category 1), H372  
Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410

**GHS Label elements, including precautionary statements****Pictogram:****Signal word:**

Danger

**Hazard statement(s):**

H301 + H331 Toxic if swallowed or if inhaled.  
H350 May cause cancer.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s):**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P330 Rinse mouth.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**HMIS Classification**

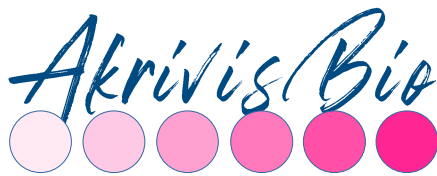
Health hazard: 2  
Chronic health hazard: \*  
Flammability: 0  
Physical hazards: 0

**NFPA Rating**

Health Hazard: 2  
Fire: 0  
Reactivity Hazard: 0

**BME:****Emergency Overview****OSHA Hazards:** Combustible liquid, Toxic by inhalation, Toxic by ingestion, Highly toxic by skin absorption, Skin sensitizer, Corrosive, Mutagen**Other hazards which do not result in classification:** Stench, Rapidly absorbed through skin**GHS Classification:**

Flammable liquids (Category 4)  
Acute toxicity, Oral (Category 3)  
Acute toxicity, Inhalation (Category 2)  
Acute toxicity, Dermal (Category 2)  
Skin irritation (Category 2)  
Serious eye damage (Category 1)  
Skin sensitization (Category 1)  
Acute aquatic toxicity (Category 1)



SDS DATE: May 29, 2023

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:**

Danger

**Hazard statement(s):**

H227 Combustible liquid  
H301 Toxic if swallowed.  
H310+H330 Fatal in contact with skin or if inhaled.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s):**

P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P284 Wear respiratory protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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.

**HMIS Classification**

Health hazard: 3  
Chronic health hazard: \*  
Flammability: 2  
Physical hazards: 0

**NFPA Rating**

Health Hazard: 3  
Fire: 2  
Reactivity Hazard: 0

**Potential Health Effects**

**Inhalation:** Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.  
**Skin:** May be fatal if absorbed through skin. Causes skin burns.  
**Eyes:** Causes eye burns.  
**Ingestion:** Toxic if swallowed.

**Sodium Borate:**

**Emergency Overview**

**GHS Classification:**

Reproductive toxicity (Category 1B), H302

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:**

Danger

**Hazard statement(s):**

H360 May damage fertility or the unborn child.

**Precautionary statement(s):**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P281 Use personal protective equipment as required.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**HMIS Classification**

Health hazard: 1  
Chronic health hazard: \*  
Flammability: 0  
Physical hazards: 0

**NFPA Rating**

Health Hazard: 0  
Fire: 0  
Reactivity Hazard: 0

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS Number	EC-No.	Molecular Weight	Chemical Formula
Nickel chloride	--	--	--	--
β-mercaptoethanol (BME)	60-24-2	200-464-6	78.13	C2H6OS
Sodium Borate	--	--	--	--

**SECTION 4: FIRST AID MEASURES**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**SECTION 5: FIRE-FIGHTING MEASURES**

**BME:**

**Conditions of flammability:** Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.



SDS DATE: May 29, 2023

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.  
**Hazardous combustion products:** Hazardous combustion products formed under fire conditions – no data available.  
**Further information:** Use water spray to cool unopened containers.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.  
**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**  
 Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.  
**Conditions for safe storage**  
 Keep container tightly closed in a dry and well-ventilated place.  
 Recommended storage temperature: -20 °C

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**BME:**

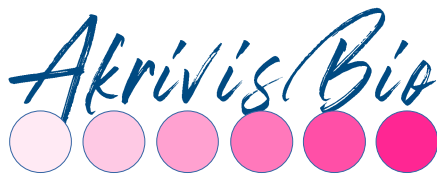
Components	CAS-No.	Value	Control parameters	Basis
2-Mercaptoethanol	60-24-2	TWA	0.2 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
Remarks:	Skin			

**Sodium Borate:**

Components	CAS-No.	Value	Control parameters	Basis
Sodium Borate	--	TWA	0.2 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
Remarks	Upper Respiratory Tract irritation Not classifiable as a human carcinogen varies			
		STEL	6.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
				Upper Respiratory Tract irritation Not classifiable as a human carcinogen varies
		TWA	5.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	2.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
				Upper Respiratory Tract irritation Not classifiable as a human carcinogen varies
		STEL	6.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
				Upper Respiratory Tract irritation Not classifiable as a human carcinogen varies
		TWA	2.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
				Upper Respiratory Tract irritation Not classifiable as a human carcinogen varies
		STEL	6.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
				Upper Respiratory Tract irritation Not classifiable as a human carcinogen varies

**Nickel chloride:**

Components	CAS-No.	Value	Control parameters	Basis
Nickel chloride	--	TWA	1.000000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	0.1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Lung damage Nasal cancer Not classifiable as a human carcinogen varies			
		TWA	0.100000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
				Lung damage Nasal cancer Not classifiable as a human carcinogen varies
		TWA	0.015000 mg/m3	USA. NIOSH Recommended Exposure Limits
				Potential Occupational Carcinogen



SDS DATE: May 29, 2023

		See Appendix A	
	TWA	1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	TWA	0.015 mg/m3	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen See Appendix A	
	TWA	0.1 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Property	Nickel chloride	BME	Sodium Borate
<b>Appearance:</b>	Powder	Yellow liquid	crystalline
<b>pH:</b>	No data available	4.5-6	No data available
<b>Water Solubility:</b>	No data available	Soluble	No data available
<b>Other Solubility:</b>	No data available	No data available	No data available
<b>Boiling Point (°C):</b>	No data available	157 °C (315 °F)	No data available
<b>Melting Point (°C):</b>	No data available	< -50 °C (< -58 °F)	No data available
<b>Flash Point (°C):</b>	No data available	68 °C (154 °F)	No data available
<b>Ignition Temperature (°C):</b>	No data available	295 °C (563 °F)	No data available
<b>Density:</b>	No data available	1.114 g/ml	No data available

**SECTION 10: STABILITY AND REACTIVITY**

Property	Nickel chloride	BME	Sodium Borate
<b>Chemical stability:</b>	Stable under recommended storage conditions		
<b>Conditions to avoid:</b>	No data available	Heat, flames, sparks	No data available
<b>Materials to avoid:</b>	Oxidizing agents, Alkali metals	Metals, oxidizing agents	Strong oxidizing agents, Strong reducing agents
<b>Hazardous decomposition products:</b>	No data available	Carbon oxides, sulfur oxides	No data available

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Nickel chloride:**

**Acute toxicity:** LD50 Oral - rat - 186 mg/kg

Inhalation: no data available

Dermal: no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** Eyes - rabbit

Result: Mild eye irritation (OECD Test Guideline 405)

**Respiratory or skin sensitization:**

Draize Test - Guinea pig

Result: Probability or evidence of low to moderate skin sensitization rate in humans

May cause allergic skin reaction.

**Germ cell mutagenicity:**

In vitro tests showed mutagenic effects

**Carcinogenicity:**

This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Human carcinogen.

IARC: 1 - Group 1: Carcinogenic to humans (Nickel(II) chloride)

NTP: Known to be human carcinogen (Nickel(II) chloride)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:**

Reproductive toxicity - Presumed human reproductive toxicant

**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard:** no data available

**Synergistic effects:** no data available

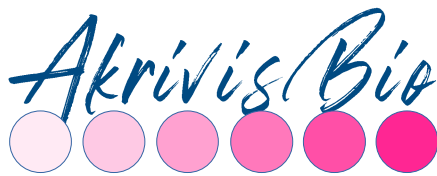
**Additional information:** RTECS: QR6475000

Gastrointestinal disturbance, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

**BME:**



SDS DATE: May 29, 2023

**Acute toxicity:** LD50 Oral – rat – 98-162 mg/kg  
LD50 Inhalation – rat – 4 h – 2 mg/l  
LD50 Dermal – rabbit – 112-224 mg/kg

**Skin corrosion/irritation:** Skin – rabbit – irritating to skin → Draize Test

**Serious eye damage/eye irritation:** Eyes – rabbit – risk of serious damage to eyes

**Respiratory or skin sensitization:** Maximization Test – guinea pig – OECD Test Guideline 406 – May cause sensitization by skin contact.

**Germ cell mutagenicity:** Experiments showed mutagenic effects in cultured bacterial cells.

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Teratogenicity:** no data available

**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential Health Effects**

**Inhalation:** Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be fatal if absorbed through skin. Causes skin burns.

**Eyes:** Causes eye burns.

**Ingestion:** Toxic if swallowed.

**Signs and Symptoms of Exposure:** Exposure may cause a burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, weakness, unconsciousness. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema.

**Synergistic effects:** no data available

**Additional information:** RTECS: KL5600000

**Sodium Borate:**

**Acute toxicity:** LD50 Oral - Rat - 4,500 - 5,000 mg/kg

Inhalation: No data available

LD50 Dermal - Rabbit - 10,000 mg/kg

No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** fetotoxicity

Presumed human reproductive toxicant

Presumed human reproductive toxicant

**Teratogenicity:** no data available

**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Signs and Symptoms of Exposure:** Exposure may cause a burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, weakness, unconsciousness. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema.

**Synergistic effects:** no data available

**Additional information:** RTECS: VZ2275000

Animal feeding studies in rat, mouse and dog, at high doses, have demonstrated effects on fertility and testes. Studies with the chemically related boric acid in the rat, mouse and rabbit, at high doses, demonstrate developmental effects on the fetus, including fetal weight loss and minor skeletal variations. The doses administered were many times in excess of those to which humans would normally be exposed. Human epidemiological studies show no increase in pulmonary disease in occupational populations with chronic exposures to boric acid dust and sodium borate dust. A recent epidemiological study under the conditions of normal occupational exposure to borate dusts indicated no effect on fertility.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Nickel chloride:**

**Persistence and degradability:** no data available

**Toxicity**

Toxicity to fish mortality NOEC - *Oncorhynchus mykiss* (rainbow trout) - 4.9 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - *Daphnia magna* (Water flea) - 6.0 - 9.3 mg/l - 48 h

Toxicity to algae EC50 - *Pseudokirchneriella subcapitata* (green algae) - 0.006 - 0.012 mg/l - 96h

**Bioaccumulative potential:** *Oncorhynchus mykiss* (rainbow trout) - 180 d- 1,000 µg/l

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** Very toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.

**BME:**

**Persistence and degradability:** Biodegradability → Result: <86% - not readily biodegradable

Result: 6% - not readily biodegradable

Result: aerobic, <10% - not readily biodegradable

**Toxicity:** Toxicity to fish: LC50 – *Leuciscus idus* (Golden orfe) – 46-100 mg/l – 96 h





SDS DATE: May 29, 2023

Toxicity to daphnia and other aquatic invertebrates: EC50- Daphnia – 0.89 mg/l – 48 h; Method: OECD Test Guideline 202

Toxicity to algae: LC50 – Bacteria – 125 mg/l – 17 h

**Bioaccumulative potential:** Does not accumulate in organisms.

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** Biochemical Oxygen Demand (BOD): 105 mg/g; Chemical Oxygen Demand (COD): 1.894 mg/g

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

**Sodium Borate:**

**Persistence and degradability:** no data available

**Toxicity**

Toxicity to fish LC50 - Carassius auratus (goldfish) - 178 mg/l - 72 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 1,085 - 1,402 mg/l - 48 h

Toxicity to algae IC50 - Desmodesmus subspicatus (green algae) - 158 mg/l - 96 h

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** No data available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

### SECTION 14: TRANSPORT INFORMATION

**Nickel chloride:**

**DOT (US):** UN number: 3288 Class: 6.1 Packing group: III, Proper shipping name: Toxic solid, inorganic, n.o.s. (Nickel(II) chloride)

Reportable Quantity (RQ): 100 lbs. Poison Inhalation Hazard: No

**IMDG:** UN number: 3288 Class: 6.1 Packing group: III EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S. (Nickel(II) chloride) Marine pollutant: yes

**IATA:** UN number: 3288 Class: 6.1 Packing group: III

Proper shipping name: Toxic solid, inorganic, n.o.s. (Nickel(II) chloride)

**BME:**

**DOT (US):** UN-number: 2966, Class: 6.1, Packing group: II; Proper shipping name: Thioglycol; Marine pollutant: No; Poison Inhalation Hazard: No

**IMDG:** UN-number: 2966, Class: 6.1, Packing group: II; EMS-No.: F-A, S-A; Proper shipping name: THIOGLYCOL; Marine pollutant: No

**IATA:** UN-number: 2966, Class: 6.1, Packing group: II; Proper shipping name: Thioglycol; Marine pollutant: No

**Sodium Borate:**

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

### SECTION 15: REGULATORY INFORMATION

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** The following components are subject to reporting levels established by SARA Title III, Section 313:

**Nickel chloride,** CAS-No. 7718-54-9; Revision Date: 1993-04-24

**SARA 311/312 Hazards:** Nickel chloride: Acute Health Hazard, Chronic Health Hazard

**BME:** Fire Hazard, Acute Health Hazard

**Sodium Borate:** Chronic Health Hazard

**Massachusetts Right To Know Components:** 2-Mercaptoethanol, CAS-No. 60-24-2; Revision Date: 1993-04-24

**Sodium Borate:** CAS-No. 1303-96-4

**Nickel chloride,** CAS-No. 7718-54-9; Revision Date: 1993-04-24

**Pennsylvania Right To Know Components:** Nickel chloride, CAS-No. 7718-54-9; Revision Date: 1993-04-24

2-Mercaptoethanol, CAS-No. 60-24-2; Revision Date: 1993-04-24

**Sodium Borate:** CAS-No. 1303-96-4

**New Jersey Right To Know Components:** Nickel chloride, CAS-No. 7718-54-9; Revision Date: 1993-04-24

2-Mercaptoethanol, CAS-No. 60-24-2; Revision Date: 1993-04-24

**Sodium Borate:** CAS-No. 1303-96-4

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

**EU regulations**

Component	Risk Phrases	Safety Phrases
Nickel chloride	--	--
BME	R23/24/25, R38, R41, R48/22, R50/53	S24/25, S36/37/39, S46, S57
Sodium Borate	--	--

### SECTION 16: OTHER INFORMATION

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. AkrivisBio, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.