



# SAFETY DATA SHEET

Revision date 28-Nov-2023

Supersedes date: 2015-06-01  
Revision: 1

## K-Seal

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

### 1. Identification

#### Product identifier

Product name K-Seal

Product number ST9501

#### Recommended use of the chemical and restrictions on use

Restriction on use Additive for engine cooling systems.

Uses advised against No specific uses advised against are identified.

#### Details of the supplier of the safety data sheet

Manufactured For:  
FMSI EDELMANN FITTINGS  
1070 HERITAGE ROAD  
BURLINGTON, ON L7L 4X9



#### Emergency telephone number

Emergency telephone 609 261 4242 (Monday - Friday 08:30 -16:30h)

### 2. Hazard identification

#### Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Eye Irrit. 2A - H319 Repr. 1B - H360FD

Environmental hazards Aquatic Acute 3 - H402 Aquatic Chronic 3 - H412

#### Label elements

##### Hazard pictograms



Signal word Danger

Hazard statements  
H319 Causes serious eye irritation.  
H360FD May damage fertility. May damage the unborn child.  
H412 Harmful to aquatic life with long lasting effects.



Product name: K-SEAL  
Product #: ST9501 Version #: 01 Revision date: 28-NOV-2023  
**FMSI EDELMANN FITTINGS**  
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## K-Seal

### Precautionary statements

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 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.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

Disodium tetraborate decahydrate

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

##### bis(D-Gluconato-O1,O2)zinc

1 - 5%

CAS number: 4468-02-4

M factor (acute) = 1

M factor (chronic) = 1

##### Classification

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

##### Disodium tetraborate decahydrate

1 - 5%

CAS number: 1330-43-4

##### Classification

Eye Irrit. 2 - H319

Repr. 1B - H360FD

##### 4-Nonylphenol, branched, ethoxylated

1 - 5%

CAS number: 127087-87-0

##### Classification

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Aquatic Chronic 3 - H412

##### Copper (powder)

0.1 - 1%

CAS number: 7440-50-8

M factor (acute) = 1

##### Classification

Aquatic Acute 1 - H400

Aquatic Chronic 3 - H412



## K-Seal

<b>Refractories, fibers, aluminosilicate</b>	<b>&lt;0.1%</b>
CAS number: 142844-00-6	
<b>Classification</b>	
Carc. 1B - H350i	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
<b>Skin contact</b>	It is important to remove the substance from the skin immediately. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing. In the event of any sensitization symptoms developing, ensure further exposure is avoided.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Spray/mists may cause respiratory tract irritation. Prolonged inhalation of high concentrations may damage respiratory system.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Irritating to eyes.

#### Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.
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### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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## K-Seal

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the hazardous product

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing that provides a basic level of protection during chemical incidents is defined by the Canada Occupational Health and Safety Regulations, by provincial guidelines on occupational health and safety or by NFPA standards if applicable.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Do not touch or walk into spilled material. Keep unnecessary and unprotected personnel away from the spillage. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage.

### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Do not empty into drains. Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

### Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid discharge to the aquatic environment. Do not reuse empty containers.



## K-Seal

### Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

### Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright. Protect containers from damage. Utilize retaining walls to prevent soil and water pollution in the event of spillage.

#### Storage class

Miscellaneous hazardous material storage.

### Specific end use(s)

The identified uses for this product are detailed in Section 1.

## 8. Exposure controls/Personal protection

### Control parameters

#### Occupational exposure limits

##### Disodium tetraborate decahydrate

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup> inhalable fraction

Short-term exposure limit (15-minute): ACGIH 6 mg/m<sup>3</sup> inhalable fraction

A4

##### Copper (powder)

Long-term exposure limit (8-hour TWA): Alberta, British Columbia, Manitoba, Newfoundland & Labrador, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Quebec, Saskatchewan, Yukon 0.2 mg/m<sup>3</sup> fume

Long-term exposure limit (8-hour TWA): Alberta, British Columbia, New Brunswick, Northwest Territories, Nunavut, Ontario, Quebec, Saskatchewan, Yukon 1 mg/m<sup>3</sup> dusts and mists

Short-term exposure limit (15-minute): Northwest Territories, Nunavut, Saskatchewan 0.6 mg/m<sup>3</sup> fume

Short-term exposure limit (15-minute): Northwest Territories, Nunavut, Saskatchewan 3 mg/m<sup>3</sup> dusts and mists

Short-term exposure limit (15-minute): Yukon 0.2 mg/m<sup>3</sup> fume

Short-term exposure limit (15-minute): Yukon 2 mg/m<sup>3</sup> dusts and mists

as Cu

##### Refractories, fibers, aluminosilicate

Long-term exposure limit (8-hour TWA): Alberta, Northwest Territories, Nunavut, Saskatchewan 0.2 f/cc respirable fibers

Long-term exposure limit (8-hour TWA): British Columbia, Manitoba, Newfoundland & Labrador, Nova Scotia, Prince Edward Island 0.2 f/cc respirable fibers: length > 5 µm, aspect ratio ≥3.1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination

Long-term exposure limit (8-hour TWA): Ontario 0.5 f/cc respirable fibers: length > 5 µm, aspect ratio ≥3.1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination

Long-term exposure limit (8-hour TWA): Quebec 1 f/cc respirable fibers

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimize worker exposure. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimize exposure.



## K-Seal

<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear chemical splash goggles.
<b>Hand protection</b>	Wear protective gloves made of the following material: Rubber (natural, latex). Polyvinyl chloride (PVC). Nitrile rubber. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Avoid release to the environment.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Light brown.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 5.4-6.4
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.031-1.055 @ 21.1°C/70°F
<b>Bulk density</b>	8.6-8.8 lb/Ga
<b>Solubility(ies)</b>	Not known.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidizing.



## K-Seal

Volatility ~50%

### 10. Stability and reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

### 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 880.0

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

#### Skin sensitization

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

**Skin sensitization** The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

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

**IARC carcinogenicity** Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

#### Reproductive toxicity

**Summary** Contains a substance/a group of substances which may damage fertility and the unborn child.



## K-Seal

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### General information

Avoid contact during pregnancy/while nursing. May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### Inhalation

Spray/mists may cause respiratory tract irritation. Prolonged inhalation of high concentrations may damage respiratory system.

### Ingestion

Gastrointestinal symptoms, including upset stomach.

### Skin contact

The product contains a small amount of sensitizing substance. May cause sensitization by skin contact.

### Eye contact

Irritating to eyes.

### Route of exposure

Ingestion Inhalation Skin and/or eye contact

### Target organs

No specific target organs known.

### Medical considerations

Skin disorders and allergies.

### Toxicological information on ingredients

#### bis(D-Gluconato-O1,O2)zinc

**Toxicological effects** Not regarded as a health hazard under current legislation.

#### Disodium tetraborate decahydrate

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** REACH dossier information.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit REACH dossier information.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >2.04 mg/l, Inhalation, Rat REACH dossier information.

##### Skin corrosion/irritation

**Animal data** Dose: 0.5g, 24 hours, Rabbit Erythema/eschar score: No erythema (0). Edema score: No edema (0). REACH dossier information.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.08 mL, 14 days, Rabbit REACH dossier information.

##### Skin sensitization

**Skin sensitization** Buehler test - Guinea pig: Not sensitising. REACH dossier information.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** DNA damage and/or repair: Negative. REACH dossier information.





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<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	NOAEL >5000 ppm, Oral, Mouse REACH dossier information.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Three-generation study - NOAEL 100 mg/kg/day, Oral, Rat F1 REACH dossier information. May damage fertility.
<b>Reproductive toxicity - development</b>	Developmental toxicity: - NOAEL: 55 mg/kg/day, Oral, Rat REACH dossier information. May damage the unborn child.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	NOAEL 100 mg/kg/day, Oral, Rat REACH dossier information.

### 4-Nonylphenol, branched, ethoxylated

<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.

### Copper (powder)

<b>Toxicological effects</b>	Not regarded as a health hazard under current legislation.
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >2500 mg/kg, Oral, Rat REACH dossier information.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Dermal, Rat REACH dossier information.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LD <sub>50</sub> >5.11 mg/l, Inhalation, Rat REACH dossier information.
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Dose: 0.5 g, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Edema score: No edema (0). REACH dossier information.
<b><u>Skin sensitization</u></b>	
<b>Skin sensitization</b>	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Gene mutation: Negative. REACH dossier information.
<b>Genotoxicity - in vivo</b>	DNA damage and/or repair: Negative. REACH dossier information.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Two-generation study - NOAEL 1000 ppm, Oral, Rat P REACH dossier information.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.



## K-Seal

### 12. Ecological information

**Toxicity** Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

#### Ecological information on ingredients

##### bis(D-Gluconato-O1,O2)zinc

**Toxicity** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

##### Acute aquatic toxicity

**LC<sub>50</sub>/EC<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (acute)** 1

##### Chronic aquatic toxicity

**M factor (chronic)** 1

##### Disodium tetraborate decahydrate

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 74 mg/l, Limanda limanda

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 96 hours: 147 mg/l, Ligumia Recta

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 40.2 mg/l, Selenastrum capricornutum

##### 4-Nonylphenol, branched, ethoxylated

**Toxicity** Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

##### Copper (powder)

**Toxicity** Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412 Very toxic to aquatic life with long lasting effects.

##### Acute aquatic toxicity

**LC<sub>50</sub>/EC<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 0.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.529 mg/l, Daphnia magna

##### Chronic aquatic toxicity

**Short term toxicity - embryo and sac fry stages** NOEC, 45 days: 11.4 µg/l, Oncorhynchus mykiss (Rainbow trout)

#### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

#### Ecological information on ingredients

##### bis(D-Gluconato-O1,O2)zinc



## K-Seal

### Persistence and degradability

The degradability of the product is not known.

#### Disodium tetraborate decahydrate

### Persistence and degradability

The degradability of the product is not known.

#### 4-Nonylphenol, branched, ethoxylated

### Persistence and degradability

The degradability of the product is not known.

#### Copper (powder)

### Persistence and degradability

The product contains inorganic substances which are not biodegradable.

### Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### Ecological information on ingredients

#### bis(D-Gluconato-O1,O2)zinc

**Bioaccumulative potential** No data available on bioaccumulation.

#### Disodium tetraborate decahydrate

**Bioaccumulative potential** BCF: 0.7-1.4, Crassostrea gigas

**Partition coefficient** log Pow: -1.53

#### 4-Nonylphenol, branched, ethoxylated

**Bioaccumulative potential** No data available on bioaccumulation.

#### Copper (powder)

**Bioaccumulative potential** Not relevant.

### Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

### Ecological information on ingredients

#### bis(D-Gluconato-O1,O2)zinc

**Mobility** No data available.

#### Disodium tetraborate decahydrate

**Mobility** Soluble in water.

**Surface tension** 71 mN/m @ 23°C



## K-Seal

### 4-Nonylphenol, branched, ethoxylated

**Mobility** No data available.

### Copper (powder)

**Mobility** The product is insoluble in water.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**General information** The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

## 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

### UN number

**UN No. (International)** Not applicable.

**UN No. (DOT)** Not applicable.

### UN proper shipping name

**Proper shipping name (International)** Not applicable.

**Proper shipping name (DOT)** Not applicable.

### Transport hazard class(es)

**Transport Labels (International)** No transport warning sign required.

**DOT transport label**

### Packing group

**Packing group (International)** Not applicable.

**DOT packing group** Not applicable.

### Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### Special precautions for user



## K-Seal

Not applicable.

**DOT reportable quantity** Not applicable.

**DOT TIH Zone** Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### 15. Regulatory information

<b>Regulatory Status</b>	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the MSDS contains all the information required by the Hazardous Products Regulations.
<b>Regulatory References</b>	Hazardous Products Regulations - SOR/2015-17. Transportation of Dangerous Goods Regulations -SOR/2015-100.

#### Inventories

##### **Canada – DSL/NDSL**

Some of the ingredients are listed or exempt.  
DSL

### 16. Other information

<b>Training advice</b>	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
<b>Revision comments</b>	Document reviewed.
<b>Revision date</b>	2023-11-28
<b>Revision</b>	1
<b>Supersedes date</b>	2015-06-01
<b>SDS number</b>	1971
<b>Hazard statements in full</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H350i May cause cancer by inhalation. H360FD May damage fertility. May damage the unborn child. H400 Very toxic to aquatic life. H402 Harmful to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

**End of Safety Data Sheet**



Product name: K-SEAL

Product #: ST9501 Version #: 01 Revision date: 28-NOV-2023

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