

### SAFETY DATA SHEET

Revision date: 03/08/2018

Revision number: 2

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**GHS Product identifier:**

**Product Name** KROWN BIO KLEEN

**Product Code**

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

**Recommended Use** Microbial Based Oil Remover

**Uses advised against** Please refer to Product Data Sheet

**Details of the supplier of the Safety Data Sheet**

**Contact Manufacturer** Canadian Krown Dealers Inc.  
35 Magnum Drive, Schomberg, ON, L0G 1T0  
Canada

**Information Telephone Number** +1(905)939-8750 , 1-800-267-5744

**Emergency Telephone Number** CANUTEC - +1(613)996-6666 collect



Canada's #1 Rust  
Protection Company.

## 2. HAZARDS IDENTIFICATION

### Classification

Classification of the product is in accordance with 29CFR 1910.1200

Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

### Label elements

#### **Emergency Overview**

##### **Warning**

##### **Hazard statements**

May cause an allergic skin reaction  
Causes serious eye irritation



**Appearance** Opaque, off-white

**Physical State** Liquid

**Odor** Slight fermentation odor

### **Precautionary Statements - Prevention**

Wear eye/face protection. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapors/spray.

### **Precautionary Statements - Response**

<b>Eyes</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
<b>Skin</b>	IF ON SKIN: Gently wash with plenty of soap and water
<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
<b>Ingestion</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

### **Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

### **Precautionary Statements - Disposal**

Dispose of unused product and container in accordance with all applicable local and regional requirements

### **Hazards not otherwise classified (HNOC)**

Not Applicable

### **Other Information**

Health Hazard	1
Fire Hazard	0
Reactivity	0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	95-99%
Viable Bacteria Cultures	Not Applicable	1-5%
EDTA	64-02-8	1-5%
1,2-Benzisothiazole-3-(2H)-one	2634-33-5	< 0.5%

\* The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water
<b>Inhalation</b>	Move to fresh air
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water

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

**Main Symptoms** No information available

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

**Notes to Physician** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Specific Hazards Arising from the Chemical

May cause allergic respiratory reaction.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Ensure adequate ventilation

#### Environmental precautions

**Environmental Precautions**

Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.

Pick up and transfer to properly labelled containers

**Methods and material for cleaning up****containment and****Methods for Clean-up****7. HANDLING AND STORAGE** Handle in accordance with good industrial hygiene and safety practice**Precautions for safe handling****Handling****Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place

**Packaging Material**

There could be many packaging types for the product. The details are given in other Krown documents

**Incompatible Materials**

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Water 7732-18-5		-	-
Viable Bacteria Cultures Not Applicable	-	-	-
EDTA 64-02-8	-	-	-
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	-	-	-

**Appropriate engineering controls****Individual protection measures, such as personal protective equipment****Eye Protection**

Avoid contact with eyes

**Skin and body protection**

No special technical protective measures are necessary

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practices

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical State**

Liquid

**Appearance**

Opaque off-white

**Odor**

Slight fermentation odor

**Odor Threshold**

No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Values</u>
pH	6.5 - 7.5
Melting/freezing point	No information available
Evaporation rate VALUE	No information available
Flammability (solid, gas)	No information available
Burning rate 100mm VALUE	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Water Solubility	No information available
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of Product	No information available
Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available
 <u>Other Information</u>	
Softening Point	No information available
VOC Content	No information available
Density	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions

### Possibility of Hazardous Reactions

None under normal processing

### Conditions to avoid

Stable under normal conditions. Excessive temperature variations below 32F or above 155F.

### Incompatible materials

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

### Hazardous Decomposition Products

No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation</b>	There is no data available for this product
<b>Eye contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	Ingestion may cause stomach discomfort

**Information on toxicological effects****Symptoms** No information available**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	May cause sensitization of susceptible persons.
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available
<b>Chronic Toxicity</b>	No information available.
<b>Aspiration hazard</b>	No information available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

None known

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
EDTA 64-02-8	EC50 = 1.01 mg/L 72 h			EC50 = 610 mg/L 24 h

**Persistence/Degradability**

The organic components of the product are biodegradable.

**Bioaccumulation/ Accumulation**

No information available

Chemical Name	log Pow
1,2-Benzisothiazole-3-(2H)-one 2634-33-5	13

**Other adverse effects**

No known effect

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste Disposal Method** Dispose of contents/container in accordance with local regulation.**Contaminated Packaging** Dispose of wastes in an approved waste disposal facility.**14. TRANSPORT INFORMATION****DOT** Not regulated**TDG** Not regulated

## 14. TRANSPORT INFORMATION

<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

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

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

### 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 40 CFR Part 372.

#### SARA 311/312 Hazardous

##### Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
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

### State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### State Right-to-Know

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

EPA Pesticide Registration Number Not Applicable

### Canada

**WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

**WHMIS Graphic****WHMIS Hazard Class**

D2B Toxic materials

**16. OTHER INFORMATION**

Revision date: 08/03/2018

**Revision Summary**

No information available

Prepared by: Krown Laboratory

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of KROWN, it is the responsibility of the customer to determine the conditions of safe use of this preparation.

End of SDS

