

# SAFETY DATA SHEET

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## SECTION 1 - IDENTIFICATION AND COMPANY DETAILS

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Product Name: PurKlenz  
Product Bar Code: 7 12038 52782 3  
Product Use(s): Topical Antiseptic Skin Cleanser. Consult label for proper use.  
Drug Identification No. (Canada): 02440458  
National Drug Code (USA): 49436-291-01  
Manufacturers Name: Science Option Laboratories Inc.  
Address: Richmond Hill  
Ontario, Canada L4C 8C5  
Emergency Number: Chem Tel 1-800-255-3924  
Date Prepared: November 11, 2016  
Date Revised: February 14, 2022

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## SECTION 2 – HAZARD(S) IDENTIFICATION

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The information herein is based on Safety Data Sheets of previously tested individual ingredients. The overview is taken from the highest concentration of hazardous ingredient(s) within the product.

### Potential Health Effects

General: This health hazard assessment is based on information from commercial/scientific literature.

Ingestion: Can be harmful or irritating to mouth, throat & stomach if ingested in significant quantity.

Eye Contact: May be irritating. AVOID contact with eyes.

Skin Contact: Possible allergic reaction with slight redness in sensitive skin.

Skin Absorption: No adverse effects are expected from absorption of this product through the skin.

Note: Overexposure may cause irritation. If Allergic Reaction occurs, discontinue use immediately and seek the advice of a Health Care Professional.

Inhalation: Overexposure may irritate nose, throat and respiratory tract.

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## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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### Hazardous Components:

Ingredients in formula:		LD50	LC50
INCI Name	C.A.S. #	ROUTE SPECIES	ROUTE SPECIES
Chloroxylonol	88-04-0	Oral rat: >2000mg/kg	Inhalation rat 6.29mg/l 4hr
Remaining components are non-hazardous and/or in amounts below reportable limits			

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## SECTION 4 - FIRST AID MEASURES

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Eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Do not rub eyes; mechanical action may cause corneal damage. Seek medical attention immediately.

Ingestion: Call a physician or poison control immediately.

Inhalation: Immediately remove victim to fresh air. If breathing has stopped, administer artificial respiration. Seek medical attention immediately.

Skin contact: Wash thoroughly with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If irritation should develop, seek medical attention.

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## SECTION 5 - FIRE-FIGHTING MEASURES

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Hazardous Decomposition/Combustion Materials (under fire conditions)	Carbon dioxide, carbon monoxide, sulphur oxides
Extinguishing Media	Water spray, foam, carbon dioxide, dry chemical
Fire Fighting Equipment / Instructions	In case of fire, keep containers cool with water spray. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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Environmental Precautionary Measures	Add dry material to absorb spill (if large spill, dike to contain.)
Clean Up Procedures	Pick up spilled material and containerize for recovery or disposal. Flush area with water to remove residues.

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## SECTION 7 - HANDLING AND STORAGE

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Handling	Ensure adequate ventilation. Container may be hazardous when emptied.
Storage	Keep container tightly sealed and store in a frost-free place.

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## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

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Engineering Controls  
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protection Equipment:

Eyes	Wear tight fitting goggles
Skin	Protective gloves made of plastic or rubber.
Respiratory	Not applicable with adequate ventilation

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Viscous liquid
Colour:	Pearly white
Odour:	Characteristic odour
Odour Threshold:	Not available
Specific Gravity (H <sub>2</sub> O=1)	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Evaporation Rate:	Not available
Boiling Point:	Not available
Melting Point:	Not available
Freezing Point	Not available
pH:	Not available
Coefficient of Water/oil distribution	Not available

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## SECTION 10 – STABILITY AND REACTIVITY DATA

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Chemical Stability:	Stable under normal conditions
Incompatibility: (materials to avoid)	Oxidizers, Bases, Strong acids
Hazardous Decomposition or By-products:	Sulphur compounds
Hazardous polymerization:	Will not occur.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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This product has not been tested as a whole. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the SDS. The product is not judged as harmful to the environment, based upon available information and prevailing criteria. Not toxic. Not dangerous goods.

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## SECTION 12 - ECOLOGICAL INFORMATION

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Alkyl ether sulphate C10-16, sodium salt (68585-34-2)

Acute Fish toxicity:

LC50>1 -<=10mg product/l

Method: ISO 7346/2 (semi-static)

Acute invertebrate toxicity:

EC50>10-<=100mg product/l

Method: Acute daphnia toxicity according to test method OECD 202.

Acute bacterial toxicity:

EC0>100mg product/l

Method: DIN38412, Part 27 (ROBRA Test, conforms with OECD 209)

Ultimate biodegradation:

Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or Co<sub>2</sub> liberation, or >70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached. (Analogy)

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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Dispose of in an approved landfill in accordance with federal, state/provincial and local regulations. Since emptied container retains product residue, all labelled hazard precautions must be observed.

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## SECTION 14 - TRANSPORT INFORMATION

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DOT: Not regulated  
TDG: Not regulated  
IATA: Not regulated  
IMDG: Not regulated

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## SECTION 15 - REGULATORY INFORMATION

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Sodium Laureth Sulfate (68585-34-2)

DSL Inventory Status: This product or all of its components are currently listed on the Domestic Substances List (DSL), as described under the Canadian Environmental Protection Act.

WHMIS Hazard Class: D2B

Tetrasodium EDTA (64-02-8 or 13235-36-4)

WHMIS Hazard Classification: D2A – possible, probable, or known human carcinogen according to classification by IARC or ACGIH

D2B – Eye or skin irritant

Hazardous Products Act Information: Hazardous Ingredients

This product contains the following ingredients which are Controlled Products and/or are on the Ingredient Disclosure List (Canadian HPA Section 13 and 14).

Chloroxylenol (88-04-0)l:

WHMIS hazard class: D2B

PPG-2 Hydroxyethyl Cocamide (201363-52-2)

Pennsylvania Right To Know: PPG-2 Hydroxyethyl Cocamide (301363-52-5) 90-100%

New Jersey Right To Know: PPG-2 Hydroxyethyl Cocamide (301363-52-5) 90-100%

California Prop 65: Methyloxirane (75-56-9)

This ingredient is reported on the following inventories:

REACH (European Union) On the inventory, or in compliance with the inventory

TSCA (USA) This product either contains a chemical substance that is not listed on the public TSCA Inventory or the TSCA Inventory status of the product has not been evaluated. For FDA uses only.

DSL (Canada) All components of this product are on the Canadian DSL

AICS (Australia) On the inventory, or in compliance with the inventory

PICCS (Philippines) On the inventory, or in compliance with the inventory

IECSC (China) On the inventory, or in compliance with the inventory

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## SECTION 16 - OTHER INFORMATION

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To the best of our knowledge the Information contained herein is accurate. However, neither the named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All information given is based on available data and to the best of our ability. Some information provided herein was drawn from sources other than Science Option Laboratories Inc. and is believed to be correct and reliable; however, no expressed nor implied warranty is provided. Final determination of the suitability of any material is the sole responsibility of the user. Science Option Laboratories Inc. assumes no responsibility and denies all liability for any loss, damage, or expense connected with customers methods of handling, storage, use and/or disposal of this product. SDS information provided herein is applicable only to this product.