



Safety Data Sheet

Section 01 - Identification

Product Identifier	SK3 Blue Septic Klean
Other Means of Identification	Viable bacterial culture
Product Use and Restrictions on Use	Used for septic tank, cesspool maintenance and packaged for direct addition to toilets and drains in homes, apartments, etc.
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
Prepared By	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
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Section 02 - Hazard Identification

GHS-Classification

Serious Eye Damage/Irritation Category 2

Physical Hazards

No known physical hazards.

Warning

Hazards Statements

H319 – Causes serious eye irritation.

Pictograms



Precautionary Statements

P264 – Wash hands thoroughly after handling.

P280 – Wear eye protection and 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.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Soda Ash	497-19-8	10%	
Disodium Phosphate	7558-79-4	5%	

Section 04 - First Aid Measures

Inhalation	If symptoms are experienced, remove source of contamination or move victim to fresh air. Seek medical attention if irritation persists.
Skin Contact / Absorption	Remove contaminated clothing, shoes and leather goods. Flush with lukewarm, gently flowing water. Seek medical attention if irritation occurs or persists.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 30 minutes, while holding the eyelid(s) open. If irritation persists, seek medical attention.
Ingestion	If irritation or discomfort occur, obtain medical advice.
Additional Information	Not Available.

Section 05 - Fire Fighting Measures

Suitable Extinguishing Media	Product does not burn and does not support combustion. Use extinguishing media suitable for surrounding fire.
Unsuitable Extinguishing Media	Not Available
Specific Hazards Arising From the Chemical	Corrosive fumes of sodium oxide, carbon monoxide and carbon dioxide are formed in a fire. Sodium carbonate slowly begins to decompose into corrosive sodium oxide and carbon dioxide at 400°C. Disodium monohydrogen may release toxic phosphorous oxides in a fire. Closed containers may rupture violently when heated.
Special Protective Equipment and Precautions for Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective equipment.
Further Information	Not Available

Section 06 - Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Remove chemicals that can react with the spilled material. If required, notify government occupational health and safety and environmental authorities.
Environmental Precautions	Do not allow sodium carbonate to enter sewers or water systems.
Methods and Materials for Containment and Cleaning Up	Stop or reduce discharge if it can be done safely. Contain material. Shovel or sweep up dry sodium carbonate for recycling or disposal. Neutralize final traces and flush area with water. Contain spilled solutions by diking with absorbent material, such as sand or earth. Solutions can be recovered or carefully diluted with water and cautiously neutralized with acids such as acetic acid or hydrochloric acid.

Section 07 - Handling and Storage

Precautions for Safe Handling	This material is an EYE IRRITANT and CORROSIVE (to aluminum). Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Avoid generating dust.
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Conditions for Safe Storage Product is hygroscopic and tends to cake on storage. Store in a cool, dry well ventilated place with a temperature between 5-40°C. Keep container tightly closed away from acids and metals such as aluminum and magnesium.

Incompatibilities Aluminium, fluorine, humid air, moisture, acids, magnesium, phosphorus pentoxide, molten lithium, ammonia, nitromethane, phosphorus trichloride, calcium hypochlorite.

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

Component	Regulation	Type of Listing	Value
SK3 Blue Septic Klean	Not Established		

Engineering Control(s)

Ventilation Requirements Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

Other Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face Chemical safety goggles. A face shield may also be necessary.

Hand Protection No specific requirement, but it is good practice to prevent skin contact.

Skin and Body Protection No specific requirement, but it is good practice to prevent skin contact. Wash contaminated clothing and dry thoroughly before reuse.

No special footwear is required other than what is mandated at place of work.

Respiratory Protection Respiratory protection is not normally required. If use creates dust formations, then a NIOSH approved respirator with a dust cartridge is recommended.

Thermal Hazards Not Available

Section 09 - Physical and Chemical Properties

Appearance

Physical State	Powder
Colour	Blue
Odour	Light pine
Odour Threshold	Not Available

Property

pH	6-7 in water dispersion
Melting Point/Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Applicable
Evaporation Rate	Not Available

Flammability	Non-flammable
Upper Flammable Limit	Not Applicable
Lower Flammable Limit	Not Applicable
Vapour Pressure (mm Hg, 20°C)	Not Available
Vapour Density (Air=1)	Not Available
Relative Density	0.6-0.8g/cm ³
Solubility(ies)	Moderate, disperses in water
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Explosive Properties	Not Available
Specific Gravity (Water=1)	Not Available
% Volatiles by Volume	Not Available
Formula	Not Available
Molecular Weight	Not Available

Section 10 - Stability and Reactivity

Reactivity	Not Available
Stability	Stable. Absorbs moisture and carbon dioxide from the air to form sodium bicarbonate.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	Generation of dust.
Incompatible Materials	Aluminium, fluorine, humid air, moisture, acids, magnesium, phosphorus pentoxide, molten lithium, ammonia, nitromethane, phosphorus trichloride, calcium hypochlorite.
Hazardous Decomposition Products	Corrosive fumes of sodium oxide, carbon monoxide and carbon dioxide are formed in a fire. Sodium carbonate slowly begins to decompose into corrosive sodium oxide and carbon dioxide at 400°C.

Section 11 - Toxicological Information

Acute Toxicity Estimate

Component	Oral LD₅₀	Dermal LD₅₀	Inhalation LC₅₀
SK3 Blue Septic Klean	16,470 mg/kg	17,762 mg/kg	1,570 ppm

The ATE of the mixture was determined by calculation from the ATE values for all relevant ingredients in reference to the formula stated in the GHS.

Chronic Toxicity – Carcinogenicity

Component

IARC

SK3 Blue Septic Klean

No ingredients listed in this product are considered carcinogenic.

Skin Corrosion/Irritation	May cause irritation. Avoid excess skin contact.
Ingestion	Considered non-toxic but may cause nausea or diarrhea.
Inhalation	May cause irritation if dust is inhaled.
Serious Eye Damage/Irritation	Sodium carbonate can cause serious eye damage.
Respiratory or Skin Sensitization	Not Available
Germ Cell Mutagenicity	Not Available
Reproductive Toxicity	Not Available
STOT-Single Exposure	Not Available
STOT-Repeated Exposure	Not Available
Aspiration Hazard	Not Available
Synergistic Materials	Not Available

Section 12 – Ecological Information

Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Sodium carbonate	EC ₅₀ (Diatom, 96hr): 242 mg/L	LC ₅₀ (96hr, Mosquito Fish): 740mg/L LC ₅₀ (Lepomis macrochirus, 24hr): 167mg/L	LC ₅₀ (Daphnia magna, 24hr): 196mg/L
Disodium monohydrogen phosphate	Not Available	Not Available	LC ₅₀ (Daphnia magna, 50hr): 1089mg/L
Biodegradability	Not Available		
Bioaccumulation	Not Available		
Mobility	Not Available		
Other Adverse Effects	Not Available		

Section 13 – Disposal Considerations

Waste From Residues/Unused Products	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number	Not Regulated
UN Proper Shipping Name	Not Regulated
Transport Hazard Class(es)	Not Regulated
Packaging Group	Not Regulated
Environmental Hazards	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

Special Precautions Not Available

Transport in Bulk Not Available

TDG

Other Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

Section 15 – Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 – Other Information

Preparation Date September 11, 2015

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution[®] initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

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