Safety Data Sheet

Bath Springs Surface & Hand Sanitizer

SECTION 1. IDENTIFICATION

Product Identifier	Bath Springs Surface & Hand Sanitizer
Other Means of Identification	12-200 12-204
Recommended Use	Refer to product label
Restrictions on Use	None Known
Initial Supplier Identifier	South Ridge Packing Co. Ltd., 99 Curtis Rd., Florenceville-Bristol, NB, E7L 2H3
Emergency Telephone Number	506 278 5998

SECTION 2. HAZARD IDENTIFICATION

Classification Flammable liquid - Category 2; Eye irritation - Category 2A; Carcinogenicity - Category 2

Label Elements

Signal Word: Danger

Other Hazards

Hazard Statement(s):
H225 Highly flammable liquid and vapour. H319
Causes serious eye irritation.
H351 Suspected of causing cancer if swallowed.
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves, eye protection. Response:
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 or attention. P308
+ P313 IF exposed or concerned: Get medical advice or attention.
P370 + P378 in case of fire: Use appropriate foam, carbon dioxide, dry chemical powder, water spray or fog to extinguish.
Storage: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Other Hazards Disposal: Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.
Other Hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Hydrogen Peroxide Glycerin Ethanol		3% 99.7% 75-85%	Hydrogen Peroxide Glycerin or Glycol Ethyl Alcohol	

Notes If the concentration or actual concentration range of an ingredient of a particular hazardous product in the series is different from the concentration or actual concentration range disclosed for the rest of the series, either the concentration or the actual concentration range must be indicated beside that ingredient under item 3 (Composition/Information on ingredients) of the SDS. Furthermore, if any other specific information element(s) (such as flash point, numerical measure of toxicity, etc.) for a particular hazardous product in the series differs from that of the other products in the series (without affecting the classification), the information element relevant to that hazardous product must be disclosed on the SDS with an indication to which hazardous product each relates.
Source: Health Canada - Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations WHMIS 2015 Supplier Requirements - pg. 117

SECTION 4. FIRST-AID MEASURES

Inhalation Take precautions to prevent a fire (e.g. remove sources of ignition). Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact If skin irritation occurs, get medical advice or attention.

Eye Contact Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

Ingestion Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Immediate Medical Attention and Special Treatment	Target Organs: Skin Special Instructions: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Medical Conditions Aggravated by Exposure: None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media	
Suitable Extinguishing Media	Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.
Unsuitable Extinguishing Media	None known.
Specific Hazards Arising from the Product	Highly flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. Can be ignited by static discharge. Can accumulate static charge by flow, splashing or agitation. See Section 9 (Physical and Chemical Properties) for flash point and explosive limits. Closed containers may rupture violently when heated releasing contents. In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide.
Special Protective Equipment and Precautions for Fire-Fighters	Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Distant ignition and flashback are possible.
Environmental Precautions	Do not allow into any sewer, on the ground or into any waterway.
Methods for Containment and Cleaning Up	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for Safe Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Ethanol	1000 ppm	1000 ppm	1000 ppm	

Notes

Appropriate Engineering Controls

General ventilation is usually adequate. For large scale use of this product: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Control static electricity discharges which includes bonding of equipment to ground. Use only non-combustible, compatible materials for walls, floors, ventilation system, air cleaning devices, pallets, shelving. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection Wear chemical safety goggles.

Skin Protection Wear chemical protective clothing e.g. gloves, aprons, boots

Respiratory Protection Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear / Colourless
Odour	Alcoholic
Odour Threshold	Not Available
pH	Not Available
Melting Point and Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	13 - 22 ºC (55 - 72 ºF) (closed cup)
Evaporation Rate	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper and Lower Flammability or Explosive Limit	15 - 19% (Ethanol) (upper); 3.3 - 4.3% (Ethanol) (lower)
Vapour Pressure	Not Available
Vapour Density (air = 1)	Not Available
Relative Density (water = 1)	0.789 - 0.860 at 20 ºC
Solubility in Water	Soluble in all proportions in water;
Solubility in Other Liquids	Soluble in all proportions in common organic solvents
Partition Coefficient, n-Octanol / Water (Log Kow)	Not available
Auto-ignition Temperature	363 ºC (685 ºF)
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not available
Chemical Stability	Normally stable.
Possibility of Hazardous Reactions	None Known
Conditions to Avoid	Open flames, sparks, static discharge, heat and other ignition sources. Temperatures above 12.0 ºC (53.6 ºF)
Incompatible Materials	Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).
Hazardous Decomposition Products	Very toxic carbon monoxide, carbon dioxide; toxic chemicals.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

__Inhalation **X** Skin Contact Eye Contact **X** Ingestion

Acute Toxicity: Ethanol

LC50	21000 mg/m3 (mouse) (4-hour exposure)
LD50 (oral)	3450 mg/kg (mouse)
LD50 (dermal)	> 15800 mg/kg (rabbit)
Notes	

Skin Corrosion / Irritation	Human experience and animal tests show no or very mild irritation.
Serious Eye Damage / Irritation	Human experience and animal tests show serious eye irritation.
STOT (Specific Target Organ Toxicity) - Single Exposure	Inhalation May be harmful as a mist nose and throat irritation. May be harmful as a mist at high concentrations depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion. A severe exposure can cause unconsciousness. Skin Absorption Not harmful based on human experience and animal tests. Ingestion May be harmful based on human experience. Depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion. A severe exposure can cause unconsciousness.
Aspiration Hazard	Not known to be an aspiration hazard.
STOT (Specific Target Organ Toxicity) - Repeated Exposure	May cause Following skin contact: dermatitis.
Respiratory and/or Skin Sensitization	Not known to be a respiratory sensitizer. Human experience shows an allergic skin reaction (skin sensitization) in rare cases following exposure at work.

Carcinogenicity

Chemical Name	IARC	ACGIH®	OSHA
Ethanol	Group 1	A3	Not Listed

Notes Carcinogenicity classification is based on alcoholic beverage consumption and not relevant to occupational exposures. Key to Abbreviations
A3 = Animal carcinogen.

Reproductive Toxicity

Development of Offspring May harm the unborn child. However, these effects are only seen with significant toxicity in the mothers. Known to cause: embryotoxic (late resorptions) teratogenic (external, soft tissue and skeletal defects) decreased weight.
These effects are not considered relevant to occupational exposures.

Sexual Function and Fertility	Studies in people and animals show effects on sexual function and/or fertility. Known to cause: effects in men and women. These effects are not considered relevant to occupational exposures.
Effects on or via Lactation	No information was located.
Germ Cell Mutagenicity	Causes mutagenicity in non-reproductive (somatic) cells in tests using live animals. These effects are not considered relevant to occupational exposures.
Interactive Effects	No information was located.

SECTION 12. ECOLOGICAL INFORMATION *(section heading must appear; all content is optional)*

Ecotoxicity

Acute

Chemical Name	C50 LFish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethanol	42 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; fresh water	2 mg/L (Daphnia magna (water flea); 48-hour; fresh water)		

Chronic

Chemical Name	NOEC Fish	Fish EC50	NOEC Crustacea	EC50 Crustacea
Ethanol			< 6300 mg/L (Daphnia magna (water flea); fresh water)	

Persistence and Degradability	No information was located.
Bio accumulative Potential	No information was located.
Mobility in Soil	No information was located.
Other Adverse Effects	No information was available.

SECTION 13. DISPOSAL CONSIDERATIONS *(section heading must appear; all content is optional)*

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION *(section heading must appear; all content is optional)*

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
Canadian TDG	**1987**	**ALCOHOL,**	**(Ethanol)**	**3**	**II**
US DOT	**1987**	**ALCOHOL**	**(Ethanol)**	**3**	**II**

Special Precautions
Please note: In containers of 1 L (1Kg) capacity or less this product is classified as a "Limited Quantity" "Consumer Commodity" under TDG regulations.
In containers of 1 L (1Kg) this product is qualified as a "consumer commodity" ORM-D under DOT

Environmental Hazards
Not Applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not Applicable

SECTION 15. REGULATORY INFORMATION *(section heading must appear; all content is optional)*

Safety, Health and Environmental Regulations

Canada
Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)
All ingredients are listed on the DSL/NDSL.

USA
Toxic Substances Control Act (TSCA) Section 8(b)
All ingredients are listed on the TSCA Inventory.
Additional USA Regulatory Lists
California Proposition 65:
WARNING: Cancer - www.P65Warnings.ca.gov/product.

Custom Regulatory 1
Consumer Product Safety Improvement Act of 2008 General Conformity Certification
The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

SECTION 16. OTHER INFORMATION

Formula Per 10 Litre

Ethanol 96%: 8333 ml
Hydrogen Peroxide 3%: 417 ml
Glycerine 99.7%: 138 ml
Non-Chemical Ingredient: Distilled Water: 1112 ml

Final Concentrations:

Ethanol 80% (v/v)
Hydrogen Peroxide: 0.125% (v/v)
Glycerine: 1.15% (v/v)

Safety Data Sheet