



Protocol Hand Sanitizer

Safety Data Sheet

Date of Issue: 30/04/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Form: Liquid **NPN:** 80099029
Product Name: Protocol Hand Sanitizer
Product Code: STC0700

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the mixture: Alcohol hand sanitizer

1.3 Details of the supplier of the safety data sheet

Sci-Tech Engineered Chemicals Inc.
9902 90th Avenue
Morinville AB, T8R 1K7
Ph: 780-960-1200 Fx: 780-960-1201
www.scitechinc.ca

1.4 Emergency telephone number

CANUTEC (613) 996-6666

SECTION 2: Hazards identification

2.1 Classification of the substance of mixture

WHMIS 2015 - GHS Classification

Flammability 3

2.2 Label elements



DANGER

Hazards: Flammable liquid and vapour

Precautions: Keep away from heat/sparks/open flames/hot surfaces
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Use only non-sparking tools

Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection

2.3 Other Hazards

SECTION 3: Composition/Information on ingredients

| Component | CAS# | Concentration | LD ₅₀ (rat, oral) |
|---------------------|---------|---------------|------------------------------|
| Ethyl alcohol (v/v) | 64-17-5 | 70% | 7000 mg/kg |
| Glycerine | 56-81-5 | 1.45% | 12600 mg/kg |

SECTION 4: First-aid measures

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| Eye Contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eyes wide open while rinsing. Remove contact lenses, if applicable, and continue flushing. Do not rub affected area. If symptoms persist, call a physician. |
| Skin Contact: | In the case of skin irritation or allergic reactions see a physician. |
| Inhalation: | Move to fresh air. Get medical attention immediately if symptoms occur. May cause allergic respiratory reaction. If breathing has stopped, contact emergency medical services immediately and give artificial respiration. |
| Ingestion: | Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary. |

SECTION 5: Fire fighting measures

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| Extinguishing media: | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Chemical hazards: | In closed unventilated containers, risk of rupture due to the increased pressure from decomposition. Use water spray to cool unopened containers. |
| Protective equipment for fire fighters: | Positive pressure SCBA and standard firefighter bunker gear. Flammable Liquid: 1-C |

SECTION 6: Accidental release measures

Avoid contact with eyes and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flash back. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

SECTION 7: Handling and storage

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| Precautions for handling: | Handle in accordance with good industrial hygiene and safety practice. Avoid contact eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Condition for safe storage: | Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep |

away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep large volumes in an area equipped with sprinklers. Store in accordance with the particular local and national regulations.

SECTION 8: Exposure controls/personal protection

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| Control parameters: | Use in an area with good general ventilation. Avoid sources of ignition. |
| Appropriate engineering controls: | Emergency shower and eye wash station are required if handling large volumes. |
| Personal protective equipment: | When handling large volumes wear safety goggles, impervious gloves and protective clothing. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with eyes and clothing. Do not eat, drink or smoke when using this product. |

SECTION 9: Physical and chemical properties

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| Appearance: | Clear colourless liquid |
| Odour: | Alcohol |
| Odour threshold: | n.av. |
| pH (1% solution): | n.ap |
| Melting point: | n.av. |
| Initial boiling point and boiling range: | n.av. |
| Flash point | 23 °C |
| Evaporation rate: | n.av. |
| Flammability: | Flammable |
| Upper/lower flammability limits: | n.av. |
| Vapour pressure: | n.av. |
| Vapour density: | n.av. |
| Relative density: | 0.88 g/mL |
| Solubility: | Soluble in water |
| Partition coefficient: n-octanol/water: | n.av. |
| Auto-ignition temperature: | n.av. |
| Decomposition temperature: | n.av. |
| Viscosity: | n.av. |

SECTION 10: Stability and reactivity

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| Reactivity: | Non-reactive. |
| Chemical stability: | Stable under normal conditions. |

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| Hazardous reactions: | None under normal processing |
| Conditions to avoid: | Avoid exposure to source of ignition. |
| Incompatible materials: | None known. |
| Hazarous decomposition products: | Can thermally decompose to product carbon dioxide and carbon monoxide. |

SECTION 11: Toxicological information

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| Routes of exposure: | Ingestion, inhalation, skin and eye contact. |
| Symptoms of exposure: | Redness of the skin. May cause redness and tearing of the eyes. Itching. Rashes. Hives. Coughing and/ or wheezing. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. |

SECTION 12: Ecological information

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| Ecotoxicity: | Data not available |
| Persistence and degradability: | Expected to be readily biodegradable |
| Bioaccumulative potential: | Low potential for bioaccumulation |
| Mobility in soil: | Data not available |
| Other adverse effects: | Data not available |

SECTION 13: Disposal considerations

Product should be disposed of in accordance to provincial or state and local government requirements prior to disposal. If the product was supplied in a single use container, care should be taken to dispose of the container in a responsible manner in accordance to local regulations.

SECTION 14: Transport information

Canadian TDG: UN 1170, Ethanol, Class 3 PG II (Only for packaging size over 1L)

SECTION 15: Regulatory information

DSL: All components are listed on the Canadian DSL

SECTION 16: Other information

Prepared by: Sci-Tech Engineered Chemicals Research and Development Department

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Date prepared: April 30, 2020