SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Identifier: Chemsyn Hand Sanitizer Gel

Product Code: HY-C-1024-0-04, HY-C-1058-0-00

Recommended Use: Hand Disinfectant

Initial Supplier Identifier: Chemsyn Services Inc. 485 Millway Avenue, Unit 2 Concord , ON L4K 3V4

Emergency telephone number: 1-833-888-CHEM (2436)

Issuing Date: 2/1/2025

SECTION 2 – HAZARDOUS IDENTIFICATION

Physical hazards:

Flammable Liquid (Category 3)
Eye Irritation (Category 2A)

Label elements:

Hazard pictograms



Signal word: Warning

Hazard statement:

Flammable liquid and vapour.
Causes serious eye irritation.

Precautionary statement:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Wear eye protection/ face protection.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention.
In case of fire: Use dry sand, dry chemical, or alcohol resistant foam to extinguish.

Storage: Store in a well ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%)	Common name/ Synonyms
Ethyl Alcohol (USP GRADE)	64-17-5	70%	Ethanol

SECTION 4 – FIRST-AID MEASURES

Description of necessary first aid measures

Eye contact: Wash eyes immediately with large amounts of water. Remove contact lenses if present and easy to do so.
Skin contact: If irritation occurs, wash with mild soap and water.
Inhalation: Move person to fresh air at once. If breathing has stopped, get medical attention immediately.
Ingestion: DO NOT induce vomiting. If person is conscious, give water. Get medical attention.

Most important symptoms And effects, acute and delayed: Causes eye irritation.

Protection of first -aiders: First aid responders should pay attention to self-protection; use recommended protective clothing.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media Water spray, Alcohol resistant foam, Carbon Dioxide, or Dry Chemicals

Unsuitable extinguishing media High volume water jet

Specific hazards arising from the chemical: Do not use high volume water stream as it may scatter and spread fire.

Special protective actions for fire-fighters: If there is a fire, Promptly isolate the scene by removing all persons from the vicinity of the incident.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special Fire Fighting Procedures: Clear fire area of unprotected personnel.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flares in hazard area.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Methods for Containment and Cleaning Up: Small spills may be wiped up or washed down with water. Large spills should be contained and collected for disposal. Use absorbent material to prevent excess product from entering waterways.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Put on appropriate protective equipment (see Section 8). Do not get in eyes. Do not ingest. Avoid breathing vapor or mist.

Conditions for Safe Storage: Keep in the original container or an approved alternate made from a compatible material, keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Do not reuse container.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	PEL/OSHA
Ethyl Alcohol	64-17-5	1000 ppm

Individual Protection Measures

Respiratory Protection: No respiratory protective equipment normally required.

Eye/Face Protection: Wear face shield for abnormal processing.

Skin Protection: If product is used correctly, no special measures necessary.

Hygiene measures: Avoid contact with skin, eyes and clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Gel

Color: Clear

Odour: Alcohol

Odour Threshold: Not Determined

pH: 6.5-7.5

Melting Point and Freezing Point: **N**/A

Initial Boiling Point and Boiling Range: N/A

Flash Point: 22.5 °C

Evaporation Rate: N/A

Flammability (solid, gas): Not Available

Upper and Lower Flammability or Explosive Limit: Not Available

Vapour Pressure: No data available

Vapour Density: No data available

Relative Density: No data available

Solubility in Water: Soluble

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal circumstances.

Possibility of Hazardous Reactions: Vapours can form explosive mixture with air.

Conditions to Avoid: Heat, flames, and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on toxicological effects: Inhalation
Eye contact

Acute toxicity: Not classified

Irritation/corrosion

Eyes Irritation

Sensitazion There is no data available

Mutagenecity	There is no data available
Carcinogenicity	There is no data available
Reproductive toxicity	There is no data available
Teratogenecity	There is no data available

Specific target organ toxicity (single exposure) There is no data available

Specific target organ toxicity (repeated exposure) There is no data available

Aspiration hazard	There is no data available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Not Available
Persistence/Degradability:	Not Available
Bioaccumulation/Accumulation:	Not Available
Mobility in Environment:	Not Available

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Considerations: Conform to local disposal regulations.

SECTION 14 – TRANSPORT INFORMATION

UN number	UN 1987
UN proper shipping name	Alcohol
Transport hazard class	3
Packing group	III
Environmental hazards	No
Special precautions for user	Not Available Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15 – REGULATORY INFORMATION

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	Not listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential Chemicals)	Not listed
SARA 302/304/311/312 extremely hazardous substances:	Not applicable
SARA 302/304 emergency planning and notification:	Not Applicable
SARA 302/304/311/312 hazardous chemicals:	No products were found

SECTION 16 – OTHER INFORMATION

Date of Latest Revision: February 1, 2025

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.