SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier

Product Name PURGEL

Code: Sold as item no. **BM-1400** by the B.M. Group

Recommended use of the chemical and restrictions on use

Recommended use Gel hand sanitizer (SIMDUT EXEMPT)

Manufacturer details

Unica Canada Inc.
90 J.A. Bombardier
Boucherville, QC,
J4B 8N4
Telephone: (450) 655-8168

Canadian Distributor:

B.M. Group Inc.
4950 CH Queen Mary, unit 100-Mezzanine
Montreal, Qc H3W 1X3
Tel: (514) 738-5200
www.bmcanada.ca
email: info@bmcanada.ca

Emergency Telephone Number

Unica Canada inc: (450) 655-8168 8h-17h Monday to Friday
Poison Control Center (Emergency, 24 H) : 1-844-POISON-X or 1-844-764-7669
Poison Control Center (Quebec) (Emergency, 24 H) : 1-800-463-5060

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Eye damage/Irritation	Category 2A

Label Elements

WARNING

Hazard Statements
Flammable liquid and vapor
Cause serious eye irritation

Precautionary Statements - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed. Avoid breathing mist, vapors or spray.

Precautionary Statements – Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor, physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
In case of fire: Use CO_2, foam, dry chemical, water fog to extinguish.

Precautionary Statements – Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements – Disposal

Dispose of contents and container to an approved waste disposal plant according to government regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	% vol/vol
Ethanol USP	64-17-5	70

4. FIRST AID MEASURES

Eye contact Rinse cautiously with water for several minutes. Call a physician if irritation persists.

Skin contact Not applicable.

Inhalation If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause irritation or discomfort. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO_2, foam, dry chemical, water fog.

Unsuitable Extinguishing Media

Do not use a solid water stream as this may spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed including oxides of carbon, smoke and other irritating gases.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with eyes and clothing. Use personal protective equipment.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with eyes and clothing. Ensure thorough ventilation of work areas.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

Incompatible Materials Strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV
Ethanol USP 64-17-5	STEL: 1000 ppm

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Not required.

Skin and body protection Not required.

Respiratory Protection Not required during normal product use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :
Clear, colorless gel
ODOR
Alcohol
ODOR THRESHOLD :
Not applicable
pH :
6.5-7.5
MELTING POINT / FREEZING POINT :
Not available
BOILING POINT/BOILING RANGE :
78ºC
FLASH POINT :
25ºC (TCC)
EVAPORATION RATE, water = 1 :
> 1
FLAMMABILITY (SOLID, GAS):
Not applicable

VAPOR PRESSURE, kPa AT 20ºC :
5.95
VAPOR DENSITY (Air = 1) :
Not applicable
RELATIVE DENSITY AT 20ºC:
0.883-0.889
SOLUBILITY IN WATER :
Complete
PARTITION COEFFICIENT, N-OCTANOL/WATER :
Not available
AUTO-IGNITION TEMPERATURE :
Not available
DECOMPOSITION TEMPERATURE:
Not available
VISCOSITY:
Not available
FLAMMABLE LIMITS :
UPPER: Not applicable **LOWER :** Not applicable

10. STABILITY AND REACTIVITY

Reactivity
Not reactive

Chemical Stability
Stable under normal conditions.

Incompatible Materials
Strong oxidizers.

Conditions to Avoid
Store away from incompatible materials and sources of ignition.

Possibility of hazardous reactions
None

Hazardous decomposition products
None

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol USP 64-17-5	7060 mg/kg (rat)	20000 mg/kg (rabbit)	>25000 mg/m^3 (rat) 4 h

Information on likely sources of exposure

Inhalation May cause respiratory irritation and possible damage
Serious eye damage/irritation Causes eye irritation.
Skin corrosion/irritation May dry skin after prolonged or excessive use.
Ingestion May be harmful if swallowed. Minimal toxicity

Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization None known
Germ cell mutagenicity None known
Carcinogenicity No listed carcinogens.
Reproductive toxicity None known
STOT - single exposure None known
STOT - repeated exposure None known
Aspiration Hazard None known

Symptoms related to the physical, chemical and toxicological characteristics

See Section 2 & 4.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No information available

Persistence and degradability
Readily biodegradable

Bioaccumulative potential
No information available

Mobility in soil
No information available

Other adverse effects
None known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

TDG classification UN1987, ALCOHOLS, N.O.S. (ethanol), Class 3, PG III

Additional Note: This product may be shipped in accordance with the "**Limited Quantities**" exemption of the TDG Regulations, provided the individual container volume is 5 L or less.

15. REGULATORY INFORMATION

All ingredients are listed on the DSL
NPN 80098292

16. OTHER INFORMATION

Preparation Date October 2, 2025
Revision Date not applicable
Revision Note not applicable

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End of SDS