

MATERIAL SAFETY DATA SHEET

Moisturizing Gel Hand Sanitizer – Issued 05/04/2020

Section 1. Identification

Product name: Moisturizing Hand Sanitizer

Manufacturer or supplier's details company name of supplier:

DMC Visions, Inc
617 Douro St
Stratford, ON N5A 0B5 (519) 271-8470

Emergency telephone number:

CHEMTREC 1-800-424-9300 CHEMTREC +1-703-527-3887: Outside USA & CANADA

Recommended use of the chemical and restrictions on use Recommended use:

Hand Sanitizer

Restrictions on use:

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

Section 2. Hazards Identification

Emergency Overview

GHS Classification

Flammable liquids: Category 3
Eye irritation: Category 2A

GHS Label element

Hazard pictograms:



Signal Word: Warning

Hazard Statements: H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

Precautionary Statements:**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces.
No smoking.

P233 Keep container tightly closed.

P241 Use explosion-proof electrical/ ventilating/ lighting/
equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately
all contaminated clothing. Rinse skin with water/shower.

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.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste
disposal plant. Other hazards Vapors may form explosive
mixture with air.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

ETHANOL

CAS: 64-17-5

% by Volume: 70

Section 4. First Aid Measures

General Advice:

In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.

Eye Contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact:

This product is formulated for use on skin but should be rinsed off when possible.

Inhalation:

If inhaled, remove to fresh air. Get medical attention if adverse health effects persist or are severe.

Ingestion:

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:**Symptoms/injuries after skin contact:**

Intended for hand use without causing irritation but if contacts other skin areas that may become irritated.

Symptoms/injuries after eye contact:

May cause irritation to the eyes.

Symptoms/injuries after inhalation:

May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist.

Section 5. Fire Fighting Measures

Flash Point: 77° C

Flammable Limits: Not available.

Flammability: Flammable in presence of open flames, sparks, shocks, heat, oxidizing materials, and strong acids.

Auto-ignition Temp: 399° C

Fire Fighting Procedures:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Fire hazard:

In a fire or if heated, a pressure increase will occur and the container may burst.

Products of Combustion: carbon oxides (CO, CO₂)

Explosion Hazard: Not available.

Section 6. Accidental Release Measures**Spill Clean up:**

Eliminate all ignition sources. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and Storage**Handling:**

Do not breathe vapor or mist. Do not ingest. No special precautions are necessary if used as intended. Wash thoroughly after handling.

Storage:

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. Store between the following temperatures: 4.4°C - 49°C (40°F - 120°F). Keep container tightly closed and sealed until ready for use. Do not store

Section 8. Exposure Controls/Personal Protection

Product name

Ethanol

Exposure Limits

ACGIH TLV (United States). TWA: 200 ppm 8 hour(s).
OSHA PEL (United States). TWA: 400 ppm 8 hour(s).
ACGIH/OSHA (United States). STEL: 400 ppm 15 minute(s).

Personal Protective Equipment (PPE)

Eyes: Recommended. No special protection is required. Avoid contact with eyes.

Hands and Body: No special protective clothing is required.

Respiratory: A respirator is not needed under normal and intended conditions of product use. Use with adequate ventilation.

Section 9. Physical and Chemical Properties

Physical State: Liquid [clear to opaque gel]
pH: 6.3 – 8.5
Boiling Point: 77°C (170.6°F)
Specific Gravity: 0.84
Colour: Colourless
Odour: Alcohol-like

Vapor Pressure: 0.8 kPa (6 mm Hg)
Vapor Density: 2.08 [Air = 1]
Evaporation Rate: Not determined
VOC (Consumer): Not available
Freezing Point: Not available

Section 10. Stability and Reactivity

Stability and Reactivity:

The product is stable.

Incompatibility:

Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Acute Toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Ethanol	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	LD50 Dermal	Rabbit	5030 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Oral	Rat	5045 mg/kg	-

Acute Effects

Routes of Entry: Eye contact. Inhalation. Ingestion.

Eyes: Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching. Prolonged contact with eye tissue may cause severe and permanent eye injury (blindness).

Skin: May cause slight irritation in sensitive individuals. Over-exposure by inhalation may cause respiratory irritation. Long-term exposure may cause headache, nausea or weakness.

Ingestion: Harmful if swallowed. Moderately toxic and narcotic in high concentrations. Ingestion of excessive amounts may cause inebriation, headache, drowsiness, dizziness, mental confusion, fatigue or nausea.

Chronic effects Contains material which may cause damage to the following organs: kidneys, liver, ears. Prolonged or repeated contact may dry skin and cause irritation. Over-exposure by inhalation may cause respiratory irritation.

Section 12. Ecological Information

Ecotoxicity Components

Ethanol

Toxicity to fish:

LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h

Toxicity to algae:

EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d

Toxicity to bacteria: EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h

Section 13. Disposal Considerations

Disposal methods Waste from residues:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information

International Regulation IATA-DGR UN/ID No.: UN 1987

Proper shipping name: Alcohols, n.o.s. (Ethanol, Propan-2-ol)

Class: 3

Packing group: III

Packing instruction (cargo aircraft): 366

Packing instruction (passenger aircraft): 355

IMDG-Code UN number: UN 1987 SAFETY DATA

SDS Number: 400000000410

Date of last issue: 07/28/2020

EmS Code: F-E, S-D

Marine pollutant: no

National Regulations TDG UN number: UN 1987

Section 15. Regulatory Information

The components of this product are reported in the following inventories:

TSCA On TSCA Inventory

AICS On the inventory, or in compliance with the inventory

DSL On the inventory, or in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

ISHL On the inventory, or in compliance with the inventory

KECI On the inventory, or in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

NZIoC On the inventory, or in compliance with the inventory Canadian lists No substances are subject to a Significant New Activity Notification.

Section 16. Other Information

National Fire Protection Association (NFPA) Ratings (estimated):

This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 3

Reactivity: 0

DISCLAIMER: This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by DMC Visions, Inc. to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. DMC assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

Revision Date: 07/28/2020

Date of first issue: 05/04/2020