SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Identifier:	Magna Bac-Off
Other means of identification:	Alcohol-Based Hand Cleanser
Recommended use and restriction on use:	For cleaning hands
Manufacturer's Name:	Magna Chemical Canada Inc.
Address:	1450 Government Road West Kirkland Lake, Ontario P2N 2E9, Canada
Phone:	416.479.9151 Ext 52
Fax:	888.317.1993
Revision Date:	27 March 2020

SECTION II – HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable Liquid: Category 3

GHS LABEL ELEMENTS SYMBOL(S)

SIGNAL WORDS:

Warning

GHS HAZARDS STATEMENTS:

H226: Flammable liquid and vapour

GHS PRECAUTIONARY STATEMENTS:

PREVENTION

P210: Keep away from heat/sparks/open flames/hot surfaces and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection/face 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/ attention.
P370 + P378: In case of fire: Use carbon dioxide, or dry chemical powder, alcohol resistant foam, or water for extinguish.

STORAGE:

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

DISPOSAL:

P501: Dispose of contents/containers in accordance with local and provincial regulations.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name:	Weight %:	CAS#
Isopropyl Alcohol	60-80	67-63-0

SECTION IV – FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If symptoms persist, call a physician.

Skin Contact
No adverse effects anticipated from normal use. If irritation develops and persists wash with water and soap as a precaution. Get medical attention if symptoms persist.
Eye Contact
In case of contact, immediately flush eyes thoroughly with plenty of water. Remove contact lens, if worn. Seek medical advice if irritation persists.
If Swallowed
DO NOT INDUCE VOMITING. Rinse mouth with plenty of water. Get immediate medical attention.

SECTION V – FIRE FIGHTING MEASURES

Suitable fire-extinguishing media
CO2, alcohol-resistant foam and dry chemical powder are effective fire-extinguishing agents.
Specific hazards arising from the chemical
Toxic gases and vapours; oxides of carbon are generated.
Special protective actions for firefighters
Firemen should wear self-contained breathing apparatus and protective clothing when fighting chemical fires.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Avoid direct contact with spillage. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions
Environmental Precautions
Prevent spills from entering drains or sewers and contact with soil. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for contaminated and cleaning up
Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling
Do not swallow. Avoid eye contact. Use only with adequate ventilation.
Conditions for safe storage, including any incompatibilities
Keep container tightly closed when not in use. Store in a dry, cool, well-ventilated area away from incompatibles. Take measures to prevent the buildup of electrostatic charge. Keep in properly labelled containers.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:
2-Propanol
SG PEL TWA 400 ppm 983 mg/m^3
SG PEL STEL 500 ppm 1230 mg/m^3
Appropriate engineering control measure
Under normal applications, general ventilation is adequate.
Individual protection measure
Protective Gloves
Not required under normal use.
Eye Protection
Not required under normal use.
Respiratory Protection
Not required under normal use conditions with good general ventilation. Protect against generated mist/ spray back.
Hygienic Work Practices
Do not eat, drink or smoke in the immediate area.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State	Liquid
Color	Colorless
Odour Threshold	No data available
pH	6.0±0.5
Melting Point	Not applicable
Freezing Point	-88°C (2-Propanol)
Boiling Point	82 - 83°C (2-Propanol)
Flash Point	18°C
Evaporation Rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	No data available
Upper explosive limit	No data available
Lower explosive limit	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Relative Density	0.78 g/cm^3 ± 0.025
Water Solubility	Soluble
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Free Flowing Liquid
Auto-ignition Temperature	399 ˚C
Odour	Lemon Mint

SECTION X – STABILITY & REACTIVITY

Reactivity

Not normally reactive

Incompatible materials

Strong oxidizing agents; Strong acids.; Alkali metals; Aluminium.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possible of hazardous reaction

Data not available.

Conditions to avoid

Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Avoid heat, open flames, sparks, static electricity and electrical equipment.

Hazardous decomposition products

Burning may produce the oxide of carbons and other substances.

SECTION XI – TOXICOLOGICAL INFORMATION

2-propanol	Acute Toxicity Acute Toxicity – Oral: May be harmful if swallowed. LD50 >2000 - <=5000 mg/kg , Rat Acute Toxicity – Dermal : Low toxicity: LD50 >5000 mg/kg , Rabbit Acute Toxicity – Inhalation: Low toxicity if inhaled. High concentration may cause central nervous system depression resulting in headaches, dizziness, and nausea.

PRIMARY ROUTES OF EXPOSURE

[X] eye [X] skin [X] oral [ ] inhalation [ ] other

Eyes: May injure tissue; moderately irritating causing redness.
Skin: Unlikely to cause appreciable irritation even on repeated contact. Unlikely to be absorbed in harmful amounts.
Inhalation: Moderately irritating to respiratory tract and mucous membranes. Chronic exposure to the vapor may result in a headache and symptoms of central nervous depression. Nasal and eye irritation well below the TLV.
Ingestion: A headache, dizziness, dullness, gastric disorders, and symptoms of nervous system depression.
Long-term toxicity: None of the components are listed as CMR* (*Carcinogenic, mutagenic, or reproductive toxin).

SECTION XII – ECOLOGICAL INFORMATION

Eco-toxicity:
Components:
Isopropyl Alcohol:
Toxicity to fish
LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates
EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h
Toxicity to bacteria
EC50 (Pseudomonas putida): > 1,050 mg/l Exposure time: 16 h

Mobility: No data available.
Persistence and Degradability: Isopropyl alcohol is readily biodegradable.
Bio-accumulative Potential: Not expected to bio-accumulate.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with existing Federal, Provincial, and local environmental regulations.

SECTION XIV – TRANSPORT INFORMATION

TDG
UN No UN1987
Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (Contains Isopropyl alcohol)
Class 3
Packing Group: III
May be shipped as a Limited Quantity when transported in containers no larger than 5.0 L, in combination packagings no larger than 30 kg gross mass.

Air Transport (IATA)Regulations
UN No UN1987
Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (Contains Isopropyl alcohol)
Class 3
Packing Group: III

Marine Transport (IMDG)
UN No UN1987
Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (Contains Isopropyl alcohol)
Class 3
Packing Group: III
Environmental Hazards: See ECOLOGICAL INFORMATION, Section 12

SECTION XV – REGULATORY INFORMATION

Canadian WHMIS Classification: Class B, Division 2: Flammable Liquid.

SECTION XVI – OTHER INFORMATION

H.M.I.S rating: Health - 1, Fire – 3, Reactivity – 1, Protection – B
Where

0 = Insignificant	
1 = Slight	A = Safety Glass
2 = Moderate	B = Safety Glass & Gloves
3 = Serious	C = Safety Glass, Gloves & Apron
4 = Severe	D = Face Shield, Glove & Apron

H.M.I.S: Hazardous Materials Identification System
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: recommended exposure limit
TWA8: The time-weighted average concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect. **N.A:** Not applicable
N/E: Not established
N.D: Not determine
C: Ceiling (The concentration that should not be exceeded during any part of the working exposure).