



SAFETY DATA SHEET

ENVIRO E3 HAND SANITIZER GEL

SECTION 1. IDENTIFICATION OF THE PRODUCT

1.1 Product identification

SAC Name of product:
Mixture

Other means of identification:
Antibacterial gel

Synonyms:
Not available

Chemical Family:
Mixture

Recommended uses:

Hand hygiene and sanitizing



1.2 Identification of the supplier

Manufacturer:
M Chem S.A. de C.V.

Emergency numbers 24 hrs:
Mexico: Mexico City SETIQ 800-00-214-00 55-59-15-88
US / Canada: CHEMTREC - 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

<u>pictograph</u>	<u>Description of Hazard or danger</u>	<u>Category</u>
	Warning, flammable liquid	3
	Warning, eye irritation	2A

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2.2 Hazard

H226: Flammable liquid and vapor
 H320: It causes eye irritation.

2.3 Precautionary Statements (Prevention)

P210: Keep away from heat, sparks, flames bare, hot surfaces and other sources ignition. No Smoking
 P233: Keep container tightly closed

2.4 Prevention prudence (response)

P337: If eye irritation persists: go to the doctor
 P301 + P330 + P331: If swallowed, rinse mouth. Do not induce vomiting.
 P370 + P378: In case of fire, used for extinguishing foam resistant to alcohol is preferred for fire fighting medium, but, if not available, can be used fine water spray.

2.5 Prevention of prudence (storage)

P403 + P235: Store in a well ventilated place. Keep calm. Store below 30 ° C

2.5 Prevention of prudence (elimination)

P501: Dispose in accordance with local regulations

2.7 Other risks

None identified

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	Content% (w / w)	Component
64-17-5	70.0 - 72.0	Ethanol

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid

If inhaled:

Remove from exposure and move to fresh air immediately. Seek medical attention if it occurs cough or other symptoms.

In case of skin contact:

Wash skin with plenty of water while contaminated clothing and shoes off. If you have symptoms, consult a doctor immediately.

In case of contact with eyes:

Flush eyes with plenty of water. If irritation persists, get medical help.

If swallowed:

Drink one or two glasses of water. Do NOT induce vomiting. If you have symptoms, consult a doctor immediately.

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4.2 Most important symptoms / effects, acute and delayed

Additional symptoms and effects: The effects and symptoms are described most important known in 4.1

Hazards: No hazard is expected when used and handled properly.

4.3 Indication of immediate medical attention and, where appropriate, special treatment

Information for doctor:

Treatment: Symptomatic treatment

SECTION 5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use alcohol resistant foam, dry powder or carbon dioxide, water spray

5.2 Special hazards of chemical

Not expected any specific risk.

5.3 Special measures to be taken by fire-fighting equipment

Personal protective equipment: Wear self-contained breathing apparatus and firefighter suit

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment, boots, goggles and safety helmet.

6.2 Precautions environment

Retain contaminated water, including water of firefighting case be contaminated.

6.3 Methods and materials for containment and cleaning spills

MEASURES PRECAUTIONS: For large amounts: Fencing / retaining dikes.

Pump the product. Keep away from open flames, hot surfaces and sources of ignition.

For residues: Pick up with absorbent material. Remove the material collected taking into account local regulations. Keep away from open flames, hot surfaces and sources of ignition.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions to be taken to ensure safe handling

Handle in accordance with safety standards for chemicals.

Keep away from open flames, hot surfaces and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Keep container closed when not used.

Stable under normal conditions. No incompatibilities.

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SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

- Cas No. 64-17-5 ethanol
- ACGIH TLV: STEL 1000 ppm
 - OSHA PEL: TWA: 1000 ppm, 1900 mg / m³

8.2. Appropriate engineering controls

Ensure adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye protection / face:

Wear appropriate protective glasses or chemical safety goggles.

Skin care:

Wear appropriate protective gloves to prevent skin exposure.

Respiratory protection:


No special protective equipment required

Body protection:

Use appropriate protective clothing to minimize contact with skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance (physical state, color, etc.)	Viscous liquid, gel
b) Odor	Alcohol
c) Odor threshold	Not available
d) pH	Approx 5.0-8.50 (20 ° C)
e) Melting point / freezing point	Not available
f) Initial boiling point and boiling range	83 ° C
g) Flash point	20 ° C
h) Evaporation rate	Nor apply
i) Flammability	Does not apply
j) limits upper / lower flammability or explosiveness	Not available
k) Vapor pressure	Undetermined
l) Vapor Density	Not applicable
m) Relative Density	0.90 approx. g / cm ³ (20 ° C)
n) Solubility (s)	Soluble
o) Partition coefficient:	Not available
p) Autoignition Temperature	Not available
q) Decomposition temperature	Not available
r) Viscosity	Not available
s) Molecular Weight	Not available
t) Other information	Not available

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions if prescribed / indicated are taken into consideration on storage and handling.

10.2 Chemical stability

The product is stable if the rules / guidelines are taken into consideration on storage and handling.

10.3 Possibility of hazardous reactions

None if used properly.

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition

10.5 Incompatible Materials

No known incompatibilities.

10.6 Hazardous decomposition products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

There are no known effects

Ethanol:

Oral LD50: 10470 mg / kg OECD 401

Dermal LD50:> 15,800 mg / kg

Inhalation LC50: 116.9 mg / L OECD 403

Corrosion / irritation

Not available.

Eye irritation

May cause irritation

Respiratory or skin sensitization

It may be slightly irritating

Germ cell mutagenicity

Information not available.

carcinogenicity

The available information does not indicate that there is evidence of effects carcinogenic

Reproductive toxicity

The available information does not indicate that there is evidence of effects teratogenicity

organ toxicity (Single exposure)

Information unknown

organ toxicity

Information unknown

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Aspiration hazard

No aspiration hazard expected.

SECTION 12. ECOTOXICOLOGICAL INFORMATION

12.1 toxicity

Non-toxic

12.2 Persistence and degradability

Product readily biodegradable

12.3 bioaccumulation potential

It is not expected bioaccumulation

12.4 Mobility in soil

No information available

12.5 Other adverse effects

Information not available

SECTION 13. DISPOSAL INFORMATION

13.1 Disposal methods

Elimination of the substance (Waste): Taking into consideration the local, state and national regulations. Considered flammable residue.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

See corresponding entries for item 14.1 to the respective legislation in the tables below.

14.2 shipping name UN

See corresponding entries for item 14.2 to the respective legislation in the tables below.

14.3 Class (s) relating to transport

See corresponding entries for point 14.3 for the respective legislations in the tables below.

14.4 Packing group / packaging

See corresponding entries for section 14.4 to the respective legislation in the tables below.

14.5 Environmental Risks

See corresponding entries for point 14.5 to the respective legislation in the tables below.

14.6 Special precautions

See corresponding entries for item 14.6 to the respective legislation in the tables below.

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DOT

UN number: 1170
 official designation
 Transportation of the United Nations: Alcohols N.O.P.
 Kind (s) of Transport hazard: 3
 Packing group: III
 Environmental risks: Flammable Liquids, F1
 Special precautions: Not applicable



IMDG

UN number: 1170
 official designation
 Transportation of the United Nations: Alcohols N.O.P.
 Kind (s) of Transport hazard: 3
 Packing group: III
 Environmental risks: EmS Code, F-E, S-D
 Special precautions: Not applicable



IATA

UN number: 1170
 official designation
 Transportation of the United Nations: Alcohols N.O.P.
 Kind (s) of Transport hazard: 3
 Packing group: III
 Environmental risks: Carga aircraft 362, passenger 355
 Special precautions: Not applicable



SECTION 15. REGULATORY INFORMATION

15.1 Specific provisions on safety, health and environment for the product

federal regulations

Not applicable.

NFPA Hazard codes:

Health: 2 Fire: 3 Reactivity: 0 Special: No applicable

HMIS III rating

Health: 2 Flammability: 3 Physical hazards: 0

SECTION 16. OTHER INFORMATION

16.1 Information document

Creation date January 2020
 Review date January 2020
 No Review 0
 Changes made NA

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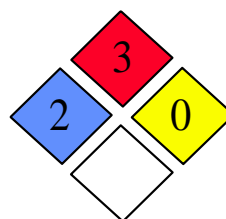
16.2 Abbreviations, acronyms

ACGIH	Governamental American Conference of Industrial Hygienist (USA)
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service (American Chemical Society, USA)
CE50	Average concentration of the 50% maximal response
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CL	Lethal concentration
CL50	lethal concentration for 50% of the test animals
LD50	Lethal dose for 50% Of the test animals
LDLo	Lethal dose low
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Schedule (emergency program)
HDS	Safety sheet
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
IPVS	Immediately Dangerous to Life and Health
NA	Not apply
ND	Not available
NIOSH	National Institute for Occupational Safety and Health
NOAEL	No Observed Adverse Effect Level
NR	Not regulated
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration (USA)
OECD	Organization for Economic Co-operation and Development
PEL-TWA	Permitted limit exposure-weighted average over time
SARA	State Authorization Reciprocity agreemen
TLV-STEL	Tolerance-period short time (15 minutes maximum)
TLV-TWA	Tolerance-time weighted average
TSCA	Toxic Substances Control Act

16.3 Other Information

Classification of chemicals NFPA

Health	2
Inflammability	3
Reactivity	0
Special risk	NA



This information is completely to provide a specific orientation of the product delivered by M Chem. We recommend that buyers using our products perform preliminary tests to determine the characteristics of this are appropriate for their particular purposes. Any authorization or guarantee is expressed or implied, with respect to the data. Nothing herein constitutes permission published, hint or recommendation to implement any procedure in violation of the law or government regulation; therefore, there should be awarded responsibility for M Chem once made the delivery.

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