



SAFETY DATA SHEET

1. Identification

- 1.1. Product Identifier
Trade Name: Molecule Refresh; Helmet Refresh
- 1.2. Relevant Identified Uses
Topical deodorizer for apparel and equipment
- 1.3. Details of the supplier of the safety data sheet
Company: FX Labs Inc dba Molecule
232 Avenida Fabricante, Unit 102
San Clemente, CA 92672
949.429.6706
www.moleculesports.com
Date prepared: 01/30/2023
- 1.4. Emergency telephone
In emergency call 911. Infotrac: 1.800.535.5053

2. Hazards identification

- 2.1. Emergency overview
Appearance: Clear solution with characteristic odor
Precautionary statements: May cause respiratory irritation
Causes serious eye damage
Harmful if swallowed
- GHS classification
Health
Acute toxicity (oral) Category 4
Acute toxicity (dermal) Category 4
Skin corrosion/irritation Category 1B
Eye damage/irritation Category 1
- 2.2. GHS label elements, including precautionary statements



Hazard pictograms/symbols **GHS07**

Signal Word: DANGER!
Hazard Statements: H302: Harmful if swallowed
H335: May cause respiratory irritation

Precautionary statements
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No information available

3. Composition/information on ingredients

Chemical Name	Synonym	CAS#	Conc.
Benzalkonium Chloride	Quat	68424-85-1	<1.5%
Deionized Water	H2O	7732-18-5	>80%
cocamidopropyl PG-dimonium chloride phosphate		83682-78-4	<0.5%
Dimethloctadecyl ammonium chloride	Quat	27668-52-6	<2.5%
acetamidoethoxyethanol		118974-46-2	<0.5%
Fragrance			>1%

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

4. First aid measures

4.1. Description of first-aid measures

General advice: Show this material safety data sheet to medical personnel. Do not leave affected person unattended. Isolate exposed apparel for laundry before re-use.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Skin contact: No known effect after skin contact. Thoroughly rinse with water.
Ingestion: Give large amounts of water. Get medical attention if symptoms occur
If inhaled: No special measures required. Treat symptomatically.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available

5. Firefighting measures

Flash Point and Method: None

5.1. Extinguishing media

Suitable extinguishing media:

The product is not flammable
Use media suitable for the material that is burning

Unsuitable extinguishing media:

No data available

- 5.2. Special hazards arising from the substance or mixture
- | | |
|--|--|
| Special hazards during firefighting: | Container may rupture on heating |
| On combustion or on thermal decomposition: | May include carbon oxides, nitrogen oxides |
- 5.3. Advice for firefighters
- | | |
|--|---|
| Special protective equipment for firefighters: | As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear. |
| Specific firefighting methods: | No special methods required. Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side. Contain the extinguishing fluids by diking. |

6. Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
Spill area may be slippery. Wear appropriate protective equipment (See Section 8).
- 6.2. Environmental precautions
Avoid contact of spilled material and runoff with soil and surface waterways
- 6.3. Methods and material for containment and cleaning up
- | | |
|---------------------------|---|
| Recovery: | Stop leak if safe to do so. Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread. Keep in suitable, properly labeled, closed containers for disposal. |
| Decontamination/cleaning: | Wash non-recoverable remainder with large amounts of water. Clean contaminated surfaces thoroughly. Recover the cleaning water for subsequent disposal. |
| Disposal: | Dispose of in accordance with local regulations |
| Additional advice: | Spill area may be slippery |
- 6.4. Reference to other sections
No information available

7. Handling and Storage

- 7.1. Precautions for safe handling
- | | |
|--------------------------|--|
| Technical measures: | Does not require any specific or particular measures |
| Advice on safe handling: | Ensure good ventilation |
- 7.2. Conditions for safe storage, including and incompatibilities
- | | |
|---------------------------------|-------------------------|
| Technical measures for storage: | No special requirements |
|---------------------------------|-------------------------|
- Storage conditions
- | | |
|--------------|--------------------------------|
| Recommended: | Keep receptacle tightly sealed |
|--------------|--------------------------------|
- Information about storage in one common storage facility: Not required
- 7.3. Specific end use(s)
No further relevant information available

8. Exposure Controls/Personal Protection

Introductory remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1. Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands: Not required.

Material of gloves: Not required.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

General Information

Appearance: Clear solution

Odor: Slight fragrance

Odor threshold: Not determined.

pH: 5-8

Melting point/Melting range: Not determined.

Boiling point/Boiling range: 100 °C (212 °F)

Flash point: Does not flash

Flammability (solid, gaseous): Not applicable.

Flammability/Explosive limit: No information available

Auto igniting: No information available

Vapor pressure @ 20 °C (68 °F): 23 hPa (17 mm Hg).

Density @ 20 °C (68 °F): 0.987 g/cm³ (8.237 lbs/gal).

Solubility: Water solubility: soluble.

Soluble in other solvents: No information available

Partition coefficient (n-octanol/water): Not determined.

Viscosity: Low viscosity

Explosive properties: No information available

Oxidizing properties: No information available

9.1. Other information No further relevant information available.

10. Stability and reactivity

Reactivity: No information available

Chemical stability: Stable and non-reactive under normal conditions of use, storage and transport

Possibility of hazardous reactions: No information available

Conditions to avoid: No information available

Incompatible materials: No information available

Hazardous decomposition products: Oxides of carbon and nitrogen

11. Toxicological information

Information on toxicological effects

Product Summary:

Causes eye irritation

No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Information on likely routes of exposure:

Eye contact	Causes eye irritation. Symptoms may include irritation, watering, redness
Skin contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Sensitization	No known effects

Acute toxicity

Acute oral:	LD50 >5000 mg/kg
Acute dermal:	LD50 >2000 mg/kg
Acute inhalation:	No information available
Acute toxicity (other):	No information available
Skin corrosion/irritation	
Skin irritation:	No known significant effects or critical hazards
Serious eye damage/eye irritation	
Eye irritation:	Causes eye irritation
Respiratory or skin sensitization	
Sensitization:	Not classified as sensitizing by skin contact

12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

UN-Number

DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class: Non-Regulated Material
Packing group
DOT, ADR, IMDG, IATA: Non-Regulated Material
Environmental hazards:
Marine pollutant: No
Special precautions for user: Not applicable.
Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code: Not applicable.
UN "Model Regulation": -

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Sara
Section 355 (extremely hazardous substances):
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
All ingredients are listed.
- Proposition 65
Chemicals known to cause cancer:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
- Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
- Carcinogenic categories
EPA (Environmental Protection Agency)
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
Corrosive to eyes
- GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



GHS07

- Signal word Warning
- Hazard statements

H319: Causes eye irritation

· Precautionary statements

Response

P305+P351+P338+P337+P313: 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 attention.

National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· State Right to Know

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Dimethloctadecyl ammonium chloride	Quat	27668-52-6	<2.5%
acetamidoethoxyethanol		118974-46-2	<0.5%
Fragrance			>1%

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this 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.

· Abbreviations and acronyms:

ADR: Accord European sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

SDS date of preparation/update: 01/30/2023