



SAFETY DATA SHEET

Section 1: Identification

Product Name: Molecule Hand Sanitizer
Chemical Name/Synonyms: Hand Sanitizer BKC; Foaming Antibacterial Hand Sanitizer
Company: FX Labs Inc dba MOLECULE
 232 Avenida Fabricante, Unit 102
 San Clemente, CA 92672
 949.429.6706
www.moleculesports.com

In emergency call 911.

For information about this SDS, use this department contact phone#: 1.800.535.5053

Section 2: Hazard(s) Identification

Hazard Classification:

Emergency overview

Appearance: Clear solution with characteristic odor

Precautionary statements: Causes serious eye irritation; Harmful if swallowed

GHS classification

Health

Serious eye damage/eye irritation Category 2

Signal Word(s): WARNING

Hazard Statements:

H319: Causes serious eye irritation

Pictograms:

None

Precautionary Statements:

Prevention

P264: Wash affected areas thoroughly after handling

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.

Description of other hazards: none

Section 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%
dihydroxyethyl cocamine oxide		61791-47-7	<0.5%
acetamidoethoxyethanol		118974-46-2	<0.5%
Citric Acid		77-92-9	<0.0%
Fragrance			>1%

Section 4: First-Aid Measures				
Description of first aid measures				
General information: 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: Get medical attention if symptoms occur				
If inhaled: No special measures required. Treat symptomatically.				
Section 5: Fire-Fighting Measures				
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		
Special hazards arising from the substance or mixture				
Special hazards during fire fighting: Container may rupture on heating				
On combustion or on thermal decomposition:		May include carbon oxides, nitrogen oxides		
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		
Section 6: Accidental Release Measures				
· Personal precautions, protective equipment and emergency procedures Not required.				
· Environmental precautions: Do not allow to enter sewers/ surface or ground water.				
· Methods and material for containment and cleaning up:				
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).				
Dispose contaminated material as waste according to section 13.				
Ensure adequate ventilation.				
Use water for final cleanup.				
· Reference to other sections				
See Section 7 for information on safe handling.				
See Section 8 for information on personal protection equipment.				
See Section 13 for disposal information.				
Section 7: Handling and Storage				
· Precautions for safe handling				
Avoid contact with eyes and clothing. Wash thoroughly after handling.				
· Information about protection against explosions and fires: Protect from heat.				
· Conditions for safe storage, including any incompatibilities				
· Storage:				
· Requirements to be met by storerooms and receptacles: No special requirements.				
· Information about storage in one common storage facility: Not required.				
· Further information about storage conditions:				
Keep receptacle tightly sealed. Keep out of reach of children.				
Protect from heat and direct sunlight.				
· Specific end use(s) No further relevant information available.				
Section 8: Exposure Controls/Personal Protection				
Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)

Not reportable				
Personal Protective Equipment Respiratory protection: A respirator is not needed under normal and intended conditions of product use Hand protection: No protective equipment is needed under normal use conditions Eye protection: No protective equipment is needed under normal use conditions Skin and body protection: No protective equipment is needed under normal use conditions Hygiene measures: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet 3) Wash exposed skin promptly to remove accidental splashes or contact with product				
Section 9: Physical and Chemical Properties				
· Information on basic physical and chemical properties · General Information · Appearance: Form: Liquid Color: Clear · Odor: Slight fragrance · Odour threshold: Not determined. · pH-value @ 20 °C (68 °F): 6.5 · Change in condition Melting point/Melting range: Not determined. Boiling point/Boiling range: 100 °C (212 °F) · Flash point: >200 °F · Flammability (solid, gaseous): Not applicable. · Ignition temperature: Decomposition temperature: Not determined. · Auto igniting: Product is not selfigniting. · Danger of explosion: Not determined. · Explosion limits: Lower: 0.0 Vol % Upper: 0.0 Vol % · Vapor pressure @ 20 °C (68 °F): 23 hPa (17 mm Hg) · Density @ 20 °C (68 °F): 0.987 g/cm³ (8.237 lbs/gal) · Relative density Not determined. · Vapour density Not determined. · Evaporation rate Not determined. · Solubility in / Miscibility with Water: Not miscible or difficult to mix. · Partition coefficient (n-octanol/water): Not determined. · Viscosity: Dynamic: Not determined. Kinematic: Not determined. · Solvent content: none. · Other information No further relevant information available.				
Section 10: Stability and Reactivity				
10.1	Reactivity			

	No information available
10.2 Chemical stability	Stable and non-reactive under normal conditions of use, storage and transport
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	No information available
10.5 Incompatible materials	No information available
10.6 Hazardous decomposition products	Oxides of carbon and nitrogen

Section 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:	LD ₅₀ >5000 mg/kg
Acute dermal:	LD ₅₀ >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
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Serious eye damage/eye irritation

Eye irritation:	Causes eye irritation
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Respiratory or skin sensitization

Sensitization:	Not classified as sensitizing by skin contact
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Section 12: Ecological Information (non-mandatory)

Toxicity

Aquatic toxicity:	Toxic to aquatic life
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Persistence and degradability

Biodegradation:	No information available
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Bioaccumulative potential

Partition coefficient: n-octanol/water:	No bioaccumulation is to be expected (log Pow≤4)
Bioconcentration factor (BCF):	No information available

Mobility in soil

Known distribution to environmental compartments:	No information available
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Results of PBT and vPvB assessment

No information available

Other adverse effects

Environmental assessment: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

Section 13: Disposal Considerations (non-mandatory)**Waste treatment methods**

Product disposal: Product can be flushed to sanitary sewer

Packaging: Discard empty container in trash or offer for recycling

Section 14: Transport Information (non-mandatory)

DOT Hazard Classification: Not regulated

Section 15: Regulatory Information (non-mandatory)**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Notification status: Not applicable

OSHA Hazard Communication Standard (29 CFR 1910.1200): Hazardous

CERCLA (RQ)

Ingredient(s)	CAS#	Weight	CERCLA RQ	Section 302 TPQ
Not listed				

SARA/EPCRA Extremely Hazardous Substances (302/304)

Ingredient(s)	CAS#	Weight	RQ	TPQ
Not listed				

SARA Hazard Categories (311/312)

Fire	Reactive	Acute health hazard	Chronic health hazard
No	No	Yes	No

SARA Toxic Substances (313) The following components are subject to SARA Section 313 reporting requirements

Ingredient(s)	CAS#	Weight
Not listed		

CAA (311) Volatile Organic compounds

Ingredient(s)	CAS#	Weight
Not listed		

State regulations

California

Prop 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Carcinogens & Reproductive Toxicity (CRT):

Not listed

CARB Identified Toxic Air Contaminants:

Not listed

Cleaning Products Right to Know:

Not listed

Section 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: 5/1/2020