



# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** Molecule Protector  
**Chemical Name/Synonyms:** Protector  
**Company:** FX Labs Inc dba MOLECULE  
232 Avenida Fabricante, Unit 102  
San Clemente, CA 92672  
949.429.6706  
[www.moleculesports.com](http://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:

- **Label elements**
- **GHS label elements** Non- Regulated Material
- **Hazard pictograms** Non- Regulated Material
- **Signal word** Non- Regulated Material
- **Hazard-determining components of labeling:** Non- Regulated Material
- **Hazard statements:** Non- Regulated Material
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

## Section 3: Composition/ Information on Ingredients

| Chemical Name     | Synonym | CAS#      | Conc.  |
|-------------------|---------|-----------|--------|
| Deionized Water   | H2O     | 7732-18-5 | 60-90% |
| Isopropyl alcohol | Ipa     | 67-63-0   | 2-12%  |

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

| Section 4: First-Aid Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Description of first aid measures</b></li> <li>· <b>General information:</b> No special measures required.</li> <li>· <b>After inhalation:</b> Supply fresh air; consult doctor in case of complaints.</li> <li>· <b>After skin contact:</b> Generally the product does not irritate the skin.</li> <li>· <b>After eye contact:</b> Rinse opened eye for several minutes under running water.</li> <li>· <b>After swallowing:</b> Give large amounts of water. If symptoms persist consult doctor.</li> <li>· <b>Most important symptoms and effects, both acute and delayed</b> No further relevant information available.</li> <li>· <b>Indication of any immediate medical attention and special treatment needed</b><br/>No further relevant information available.</li> </ul> |
| Section 5: Fire-Fighting Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>· <b>Extinguishing media</b></li> <li>· <b>Suitable extinguishing agents:</b><br/>CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.</li> <li>· <b>Special hazards arising from the substance or mixture</b> No further relevant information available.</li> <li>· <b>Advice for firefighters</b></li> <li>· <b>Protective equipment:</b> No special measures required.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
| Section 6: Accidental Release Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>· <b>Personal precautions, protective equipment and emergency procedures</b> Not required.</li> <li>· <b>Environmental precautions:</b><br/>Dilute with plenty of water.<br/>Do not allow to enter sewers/ surface or ground water.</li> <li>· <b>Methods and material for containment and cleaning up:</b><br/>Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).</li> <li>· <b>Reference to other sections</b><br/>See Section 7 for information on safe handling.<br/>See Section 8 for information on personal protection equipment.<br/>See Section 13 for disposal information.</li> </ul>                                                                                                                                      |
| Section 7: Handling and Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>· <b>Precautions for safe handling</b> No special measures required.</li> <li>· <b>Information about protection against explosions and fires:</b> No special measures required.</li> <li>· <b>Conditions for safe storage, including any incompatibilities</b></li> <li>· <b>Storage:</b></li> <li>· <b>Requirements to be met by storerooms and receptacles:</b> No special requirements.</li> <li>· <b>Information about storage in one common storage facility:</b> Not required.</li> <li>· <b>Further information about storage conditions:</b> None.</li> <li>· <b>Specific end use(s)</b> No further relevant information available.</li> </ul>                                                                                                                                  |
| Section 8: Exposure Controls/Personal Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>· <b>Additional information about design of technical systems:</b> No further data; see section 7.</li> <li>· <b>Control parameters</b></li> <li>· <b>Components with limit values that require monitoring at the workplace:</b><br/><b>67-63-0 Isopropyl alcohol</b><br/>           PEL Long-term value: 980 mg/m<sup>3</sup>, 400 ppm<br/>           REL Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm<br/>           Long-term value: 980 mg/m<sup>3</sup>, 400 ppm<br/>           TLV Short-term value: 984 mg/m<sup>3</sup>, 400 ppm<br/>           Long-term value: 492 mg/m<sup>3</sup>, 200 ppm<br/>           BEI<br/> </li> <li>· <b>Ingredients with biological limit values:</b><br/><b>67-63-0 Isopropyl alcohol</b><br/>           BEI 40 mg/L         </li> </ul>     |

urine

end of shift at end of workweek

Acetone (background, nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

· **Breathing equipment:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:** Goggles recommended during refilling.

## Section 9: Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

**Color:** Opaque

· **Odor:** Mild

· **Odour threshold:** Not determined.

· **pH-value @ 20 °C (68 °F):** 3.5

· **Change in condition**

**Melting point/Melting range:** Not determined.

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

· **Flash point:** > Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:**

**Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

**Lower:** 0.0 Vol %

**Upper:** 0.0 Vol %

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

· **Density:** Not determined.

· **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:**

**Organic solvents:** 4.0 %

**Water:** 86.0 %

**VOC content:** 4.0 %

**Solids content:** 1.0 %

· **Other information** No further relevant information available.

**Section 10: Stability and Reactivity**

· **Reactivity:** No information available

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

**Section 11: Toxicological Information**

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

67-63-0 Isopropyl alcohol

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**Section 12: Ecological Information (non-mandatory)**

· **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:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

### Section 13: Disposal Considerations (non-mandatory)

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### Section 14: Transport Information (non-mandatory)

- **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":** -

### Section 15: Regulatory Information (non-mandatory)

- **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):**  
67-63-0 Isopropyl alcohol
- **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)**  
67-63-0 Isopropyl alcohol A4
- **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** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material

- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material

**National regulations:**

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

- **State Right to Know**

| Chemical Name     | Synonym | CAS#      | Conc.  |
|-------------------|---------|-----------|--------|
| Deionized Water   | H2O     | 7732-18-5 | 60-90% |
| Isopropyl alcohol | Ipa     | 67-63-0   | 2-12%  |

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

#### 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:** 12/12/2020