SAFETY DATA SHEET
OSHA HCS (29 CFR 1910, 1200)

Section 1: Product and Company Identification
1.1 Product Identifier
   GHS Product Identifier: Not Applicable
   Chemical Name: Not Applicable
   Trade Name: Formula MC
   CAS No: Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Identified use(s): Optics cleaner solution
   Uses advised against: None

1.3 Details of the supplier of the safety data sheet
   Company Identification: Jorgensen Laboratories
   Telephone: 1-800-525-5614
   Fax: 1-970-663-5042
   E-Mail: info@jorvet.com

1.4 Emergency telephone number
   Emergency Phone No: Chemtrec 24 hr (800)424-9300

Section 2: Hazards Identification
2.1 Classification of the substance or Mixture
   OSHA HCS (29 CFR 1910 1200): Not classified as dangerous for supply/use

2.2 Label Elements
   Hazard Symbol: None

2.3 Other Hazards
   None

2.4 Additional Information

0 0 0

Health 0
Flammability 0
Physical Hazard 0

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS
3.2 Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>%W/W</th>
<th>CAS No</th>
<th>Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>17-20</td>
<td>87-83-0</td>
<td>Flammable liquid, irritating to eyes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>Water</td>
<td>73-80</td>
<td>7732-18-5</td>
<td>None Anticipated</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>10</td>
<td>57-55-6</td>
<td>None Anticipated</td>
</tr>
<tr>
<td>other*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Ingredients present at <0.1%

3.3 Additional Information
   None
SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
   Inhalation
   If symptoms occur, obtain medical attention.
   Skin Contact
   Wash skin with water. If symptoms occur, obtain medical attention.
   Eye Contact
   If substance has got into the eyes, wash out with water. If symptoms occur, obtain medical attention.
   Ingestion
   Drink one glass of water. Do not induce vomiting. If symptoms occur, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed.
   May cause eye irritation

4.3 Indication of the immediate medical attention and special treatment needed
   None

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media
   Suitable Extinguishing Media
   None anticipated
   Unsuitable Extinguishing Media
   None anticipated

5.2 Special hazards arising from the substance or mixture
   As appropriate for surrounding fire.
   >90% Water
Section 6: ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures
Not normally required

6.2 Environmental precautions
Not normally required

6.3 Methods and material for containment and clean up
Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery. Provide adequate ventilation.

6.4 Reference to other sections
None

6.5 Additional information
None

Section 7: Handling and Storage
7.1 Precautions for safe handling
Wash affected skin with plenty of water. Remove contaminated clothing and wash clothing before reuse. Provide adequate ventilation. Avoid contact with skin, eyes or clothing.

7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature: None

7.3 Specific end use(s)
Optics cleaner solution

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>67-60-0</td>
<td>400</td>
<td>200</td>
</tr>
</tbody>
</table>

8.1.2 Recommended monitoring method
NIOSH 1400

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Not normally required

8.2.2 Personal protection equipment
Eye/face protection
Not required under normal consumer use. Industrial use: Safety glasses

Skin protection (hand protection/other)
Not required under normal consumer use. Industrial use: Wear suitable gloves if prolonged skin contact is likely

Respiratory protection
Not required under normal consumer use. Industrial use: In case of inadequate ventilation wear respiratory protection

Thermal hazards
Not normally required

8.2.3 Environmental Exposure Controls
### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold (ppm)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>7</td>
</tr>
<tr>
<td>Melting Point / Freezing Point (°C)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point/bubbling range (°C)</td>
<td></td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>37.7 (100°F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit ranges</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure (Pascal)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>0.95 @ 22°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Soluble</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Not Known</td>
</tr>
<tr>
<td>Solubility (other)</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Kinematic Viscosity (mPas) @ 22°C</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing</td>
</tr>
</tbody>
</table>

9.2 Other Information

### SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

- Stable under normal conditions

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- None anticipated

10.4 Conditions to avoid

- Heat

10.5 Incompatible materials

- None anticipated

10.6 Hazardous Decomposition Product(s)

- Carbon Monoxide
SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
11.1.1 Substances
   Not applicable

11.1.2 Mixtures
   Acute toxicity Not available
   Irritation Not available
   Corrosivity Not available
   Sensitization Not available
   Repeated dose toxicity Not available
   Carcinogenicity Not available
   IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen
   Mutagenicity Not available
   Toxicity for reproduction Not available

11.1.3 Substances in preparations / mixtures
   IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen. Isopropyl Alcohol (CAS No. 67-63-0)
   Acute toxicity
   Oral: LD50 = 5.64 g/kg (rat)
   Inhalation: LC50>1000 ppm (rat) 6 hours
   Dermal: LD50 = 15.4 mL/kg (rabbit) 24 hours
   Irritant
   Irritating to eyes
   Sensitization
   It is not a skin sensitizer
   Repeated dose toxicity
   NOAEL = 5,000 ppm (inhalation)

11.2 Other information None known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
   Substances in preparations / mixtures
   Isopropyl Alcohol (CAS 67-63-0)
   Biodegradability
   Biodegradable
   Bioaccumulative potential
   The product has no potential for bioaccumulation
   Acute toxicity
   LC50 (96 hour) 10,000 mg/L (Fathead minnow (Pimephales promelas))
   LC50 24 hours >10,000 mg/L (Daphnia magna)
   Long Term Toxicity
   NOEC: 3.37 μmol/L (Daphnia magna) (Growth rate)

12.2 Persistence and degradability
   The organic part of the product is biodegradable
12.3 Bioaccumulative potential
   The product has no potential for bioaccumulation
12.4 Mobility in soil
   The product has high mobility in soil
12.5 Results of PBT and vPvB assessment
   Not classified as PBT or vPvB
12.6 Other adverse effects
   None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
   Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice

13.2 Additional information
   None known
SECTION 14: TRANSPORT INFORMATION

In accordance with 49CFR 173.120(a)(5), ADR Annex A 2.2.3.1.1 Note 1; ICAO 2.3:.3(c); IATA DGR 3.3.1.3(c); and IMO 2.3.1.3.3

14.1 DOT (DEPARTMENT OF TRANSPORTATION)
UN Number
Proper shipping name
Transport hazard class(s)
Packing Group
Hazard label(s)
Environmental hazards
Special precautions for user
Not classified as dangerous for transport

14.2 Land transport (ADR/RID)
UN number
Proper Shipping Name
Transport hazard class(s)
Packing Group
Hazard label(s)
Environmental hazards
Special precautions for user
Not classified as dangerous for transport

14.3 Sea Transport (IMDG)
UN number
Proper shipping name
Transport hazard class(s)
Packing group
Marine Pollutant
Special precautions for user
Not classified as dangerous for transport

14.4 Air Transport (ICAO/IATA)
UN number
Proper shipping name
Transport hazard class(s)
Packing Group
Environmental hazards
Special precautions for user
1993 N.O.S.
Combustable Liquid N.O.S.

14.5 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act)
Inventory Status: All components listed or polymer

RCRA Hazard Waste Number (40 CFR 261.33)
None

US RCRA Hazard Class
None

SARA 311/312 - Hazard Categories
Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372)
None

SARA 302 - Extremely Hazardous Substances
None
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