### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Glycolic acid  
**Distributor:** MakingCosmetics.com Inc.  
**Address:** 10800 231st Way NE Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** www.makingcosmetics.com  
**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**GHS Signal Word:** DANGER  
**GHS Hazard Pictograms:** ![Hazard Symbol]

**GHS Hazard Statements:**  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H319: May cause respiratory irritation  

**GHS Precautionary Statements:**  
P264: Wash skin thoroughly after handling  
P280: Wear protective gloves, eye/face protection  
P312: If swallowed call poison center or doctor  
P305: If in eyes rinse cautiously with water for several minutes. Remove contact lenses.

**Potential Health Hazards:**  
Eyes: Causes serious eye irritation.  
Inhalation: If inhaled may be irritant to the pulmonary system.  
Skin: Causes skin irritation  
Ingestion: If swallowed may be irritant to the gastrointestinal system

**NFPA Ratings (704):**  
<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Specific Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1</td>
<td>0</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**NFPA Health Rating:** 3 (Warning)  
**NFPA Flammability Rating:** 1 (Slight)  
**NFPA Reactivity Rating:** 0 (Minimal)  
**Specific Hazard Rating:** n/a

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Component** | **CAS No.** | **Weight %** | **Molecular Weight**
--- | --- | --- | ---
Glycolic acid | 79-14-1 | 70% | 76.05 g/mole
Water | 7732-18-5 | 30% | 18.02 g/mole

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of water and seek medical attention if necessary  
**Inhalation:** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.  
**Skin:** Flush with plenty of water and wash using soap.  
**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.  
**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.  
**Flash Points:** Not available  
**Specific hazards arising from the chemical:** May emit toxic fumes under fire conditions. See also Stability and Reactivity section.
6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**
See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:**
Not available

**Methods and material for containment and cleaning up:**
Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

**Precautions for safe handling:**
See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:**
Store in cool, dry well ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycolic acid</td>
<td>Not available</td>
<td>STEL: Short Term Exposure Limit during x minutes.</td>
<td>IDLH: Immediately Dangerous to Life or Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL: Recommended Exposure Limit</td>
<td>WEEL: Workplace Environmental Exposure Levels</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL: Permissible Exposure Limit</td>
<td>CEIL: Ceiling</td>
</tr>
</tbody>
</table>

**Personal Protection:**
- **Eyes:** Use suitable eye protection glasses or safety goggles
- **Inhalation:** Not needed under normal conditions of use.
- **Body:** Use protective gloves, slip proof shoes may be worn where spills may occur
- **Other:** Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic odor</td>
</tr>
<tr>
<td>Taste:</td>
<td>No data available</td>
</tr>
<tr>
<td>Color:</td>
<td>Clear</td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>76.05 g/mole</td>
</tr>
<tr>
<td>pH Value:</td>
<td>0.5-2.0</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability:</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower Explosive Limit:</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>1.49</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity:</td>
<td>Product is stable</td>
</tr>
<tr>
<td>Chemical Stability:</td>
<td>Product is stable</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>Avoid all possible sources of ignition</td>
</tr>
<tr>
<td>Corrosivity:</td>
<td>This material has little tendency to cause corrosion to metals. Non-corrosive in presence of glass.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products:</td>
<td>Only at high temperatures may the product generate irritant vapors.</td>
</tr>
</tbody>
</table>

11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:**
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 1920 mg/kg [Guinea pig]. Acute toxicity of the vapor (LC50): 7.1 mg/m³ 4 hours [Rat].

**Acute Potential Health Effects:**
Skin: Causes severe irritation. May cause skin burns. May be harmful if absorbed through skin.
Eyes: Causes severe eye irritation. May cause eye burns. Inhalation: May be harmful if inhaled. Causes severe irritation of the respiratory tract and mucous membranes. May cause chemical burns to the respiratory tract. May affect sense organs, and metabolism. Ingestion: May be harmful if swallowed. Causes irritation of the digestive tract. May cause digestive (gastrointestinal) tract burns. May affect behavior (somnolence or general depressed activity), urinary system, and blood. Chronic Potential Health Effects: No information found

Carcinogenicity: Not data available
Teratogenicity: Not data available
Germ Cell Mutagenicity: Not data available
Embryotoxicity: Not data available
Reproductive Toxicity: Not data available
Repeated dose toxicity: Not data available

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not data available
Persistence and Degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
Bioaccumulative Potential: No data available
Mobility in Soil: No data available
PBT and vPvB Assessment: No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT: Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) Hazard Class: 3265 Class: 8 Packing Group: III Description: Corrosive liquid
TDG: N-No: 3265 Class: 8 Packing Group: III Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) Hazard Class: 8 Description:
IATA: UN-No: 3265 Class: 8 Packing Group: III Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) Hazard Class: 8 Description:
IMDG: UN-No: 3265 Class: 8 Packing Group: III Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (LACTIC ACID) Hazard Class: 8 EmS No.: Description

15 REGULATORY INFORMATION

TSCA Inventory Status: TSCA 8(b) inventory: Glycolic acid
WHMIS (Canada): CLASS E: Corrosive

16 OTHER INFORMATION

Revision Date: 07/31/2017
Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.