

## 1. IDENTIFICATION

- 1.1. Product Name: *Magic Ink*
- 1.2. Other Means of Identification: *Aqueous suspension of photochrome-doped polymethylmethacrylate spheres.*
- 1.3. Use of the preparation *For professional use only as cosmetic ink for tattoos or permanent makeup.*
- 1.4. Supplier Details:
- 1.4.1. *HYPRSKN Inc.*  
*1111 Engineering Dr. Boulder, CO 80309*  
*Email: labwork@hyprskn.com*
- 1.5. Emergency: *American Association of Poison Control 24-hour Emergency Hotline 1-800-222-1222*

## 2. HAZARDS IDENTIFICATION

- 2.1 Classification of Mixture: *Not a hazardous substance or mixture*
- 2.2 GHS Label Elements: *Not a hazardous substance or mixture*
- 2.3 Other Hazards Not Otherwise Classified or Covered by GHS: *None*

## 3. COMPOSITION INFORMATION

3.1

Ingredient	CAS Number	Weight %	GHS Classification
Water	7732-18-5	30-70	Not classified
Polymethyl(methacrylate), USP	9011-14-7	30-60	Not classified
Proprietary photochromic compound		1-10	Not classified
Hamamelis virginiana, extract	84696-19-5	0-20	Not classified
Poly(vinyl alcohol), USP	99002-89-5	<1	Not classified
Ethyl alcohol	64-17-5	0-5	H225, H315, H319, H335, H336, H303
Glycerine	56-81-5	0-5	Not classified

*In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.*

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#### 4. FIRST AID MEASURES

##### Description of Necessary First Aid Measures

- 4.1 After Inhalation: *Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.*
- 4.2 After Skin Contact: *Remove contaminated clothing and wash skin with soap and water thoroughly. If there is any irritation, consult a physician.*
- 4.3 After Eye Contact: *Rinse opened eye thoroughly with clean running water for at least 15 minutes. Consult a physician.*
- 4.4 After Ingestion: *Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.*
- 4.5 Most Important Symptoms/Effects, Acute and Delayed: *None determined. See SECTION 2 and SECTION 11 for more information.*
- 4.6 Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary: *No known special indications. When seeking medical attention in relation to the product, bring this SDS to the physician.*

#### 5. FIRE-FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: *Alcohol-resistant foam, carbon dioxide.*
- 5.2 Unsuitable Extinguishing Media: *Water jet*
- 5.3 Special Hazards Arising from the Mixture: *No data available*
- 5.4 Specific Protective Actions for Fire-Fighters: *Wear positive pressure, self-contained breathing apparatus with a full face piece and protective clothing*

#### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment, and Emergency Procedures: *Ensure adequate ventilation. Avoid breathing vapors. Wear appropriate personal protective equipment - see SECTION 8 for personal protective equipment.*
- 6.2 Environmental Precautions: *Prevent further leakage or spillage if safe to do so. Do not allow product to enter drains, sewers, waterways, or groundwater.*
- 6.3 Methods and Materials for Containment and Cleaning Up: *Ensure adequate ventilation. Absorb large spills with non-combustible liquid-binding material such as sand, vermiculite, universal binder, sawdust, earth, and place in an appropriate container. Place the container for disposal according to local regulations. Clean the area before returning. See SECTION 13 for disposal considerations.*

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## 7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling: *Eating, drinking and smoking in the work area is prohibited. Wash hands after use. Remove contaminated clothing and protective equipment before entering the eating area. Avoid contact with skin or eyes. Avoid inhalation of vapor or mist. See SECTION 2 for a full list of GHS precautionary statements.*
- 7.2 Precautions for Safe Storage, Including Any Incompatibilities: *Store unopened in the original container, tightly closed. Store containers in a cool, ventilated, dry area away from direct sunlight, heat sources, strong oxidizing agents, and electrostatic charges. Store at or above 4 °C. Do not fill the container with anything. Do not pour material back into the container after dispensing. Dispose of container and its contents after single use.*

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 *Contains glycerine. The time-weighted average (TWA) occupational exposure limits for glycerine dust/mist are 15 mg/m<sup>3</sup> (OSHA) and 10 mg/m<sup>3</sup> (ACGIH). Contains ethyl alcohol. TWA occupational exposure limits for ethanol dust/mist are 1881 mg/m<sup>3</sup> (OSHA) and 1900 mg/m<sup>3</sup> (ACGIH & NIOSH). Exposure limits are not established for remaining ingredients listed in SECTION 3.*
- 8.3 Exposure Controls
- 8.3.1 Engineering Controls: *Provide adequate ventilation to maintain any particulate or vapor concentrations below occupational exposure limits. Use secondary containment and prevent leakage or spillage of the product.*
- 8.3.2 Respiratory Protection: *If risk assessment shows air-purifying respirators are appropriate, a full-face supplied air that has been tested and approved under NIOSH (US) or CEN (EU) is recommended.*
- 8.3.3 Eye/Face Protection: *Protective safety glasses tested and approved under NIOSH (US) or EN 166 (EU) is recommended.*
- 8.3.4 Skin Protection: *Recommended handling with latex, nitrile, butyl rubber, neoprene, norfoil, or vitron gloves that have been inspected prior to use, using proper glove removal technique to avoid skin contact with the product. Wash hands before eating, taking breaks, or leaving work. Impervious clothing is*

*recommended. Dispose of contaminated gloves after use in accordance with local regulations. Remove contaminated clothes and wash thoroughly with soap and water.*

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Magenta-red colored liquid
<b>Odor</b>	Faint or not detectable
<b>Odor threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/ Freezing Point</b>	No data available
<b>Initial Boiling Point/ Boiling Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative Density</b>	No data available
<b>Water Solubility</b>	No data available
<b>Partial Coefficient, n-octanol/water</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity: *No data available.*
- 10.2 Stability: *Stable at temperatures ranging from 4 °C to 60 °C.*
- 10.3 Incompatibilities: *Organic solvents, strong oxidizing agents, temperatures above 60 °C.*
- 10.4 Hazardous combustion or decomposition products: *Toxic fumes of carbon monoxide and carbon dioxide.*
- 10.5 Hazardous Polymerization: *Does not polymerize.*

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Product Toxicology Data

Acute toxicity (oral): *no data available*

Acute toxicity (dermal): *no data available*

Acute toxicity (inhalation): *no data available*

Skin corrosion/irritation: *may cause mild irritation*

Serious eye damage/irritation: *may cause mild irritation*

Respiratory sensitization: *no data available*

Skin sensitization: *no data available*

Germ cell mutagenicity: *no data available*

Reproductive toxicity: *no data available*

STOT-single exposure: *no data available*

STOT-repeated exposure: *no data available*

Aspiration hazard: *no data available*

### 11.2 Carcinogen data: ingredients

Ingredient	CAS	Source	Classification
Polymethyl(methacrylate), USP	9011-14-7	OSHA	Regulated carcinogen: <i>No</i>
		NTP	Known: <i>No</i> Suspected: <i>No</i>
		IARC	Classification: <i>No</i>
Ethyl alcohol	64-17-5	OSHA	Regulated carcinogen: <i>Yes (TLV-A3)</i>
		NTP	Known: <i>Yes (oral)</i>
		IARC	Classification: <i>Group 1</i>
Hamamelis virginiana, extract	84696-19-5	OSHA	Regulated carcinogen: <i>No</i>
		NTP	Known: <i>No</i> Suspected: <i>No</i>
		IARC	Classification: <i>No</i>
Poly(vinyl alcohol), USP	99002-89-5	OSHA	Regulated carcinogen: <i>No</i>
		NTP	Known: <i>No</i> Suspected: <i>No</i>
		IARC	Classification: <i>Group 3 (not classifiable)</i>

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Ingredient	CAS	Source	Classification
Glycerine	56-81-5	OSHA	Regulated carcinogen: <i>No</i>
		NTP	Known: <i>No</i> Suspected: <i>No</i>
		IARC	Classification: <i>No</i>
Photochromic compound	-	OSHA	Regulated carcinogen: <i>No</i>
		NTP	Known: <i>No</i> Suspected: <i>No</i>
		IARC	Classification: <i>No</i>

### 11.3 Toxicology data: ingredients

#### Glycerine (CAS 56-81-5)

LD50 Oral, Rat: *12,600 mg/kg*  
 LD50 Oral, Mouse: *23,000 mg/kg*  
 LD50 Dermal, Rabbit: *>10,000 mg/kg*  
 LD50 Dermal, Guinea Pig: *56,750 mg/kg*  
 LD50 Inhalation, Rat: *570 mg/m<sup>3</sup>/hr*  
*Mild skin/eye irritation (rabbit)*

#### Ethanol (CAS 64-17-5)

LD50 Oral, mouse: *3450 mg/kg*  
 LD50 Oral, rabbit: *6300 mg/kg*  
 LD50 Oral, rat: *7060 mg/kg*  
 LD50 Oral, rat: *9000 mg/kg*  
 LC50 Inhalation, mouse: *9.8 g/m<sup>3</sup>/h*  
 LC50 Inhalation, rat: *20000 ppm/10h*

#### Poly(vinyl alcohol) (CAS 99002-89-5)

LD50 Oral, Rat: *>5,000 mg/kg*  
 LD50 Dermal, Rabbit: *>7,490 mg/kg*  
 LD50 Inhalation, Rabbit: *>20 mg/m<sup>3</sup>/hr*  
*Mild skin/eye irritation (rabbit)*

#### Poly(methyl methacrylate) (CAS 9011-14-7)

*no toxicity*

#### Hamamelis virginiana (CAS 84696-19-5)

*no toxicity*

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**12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity: *No data available for mixture*  
Persistence and Degradability: *No data available for mixture*  
Bioaccumulation: *No data available for mixture*  
Mobility on Soil: *No data available for mixture*  
Results of PBT and vPvB Assessment: *No data available for mixture*  
Other Adverse Effects: *No data available for mixture*

**13. DISPOSAL CONSIDERATION**

- 13.1 Product: *Dispose of product according to local regulations. In most areas this product can be disposed of with normal waste.*  
Contaminated packaging: *Dispose of as unused product*

**14. TRANSPORT INFORMATION**

- 14.1 DOT (US): *Not regulated*  
IMDG (Maritime dangerous goods): *Not regulated*  
IATA (International air): *Not regulated*  
ICAO-TI: *Not regulated*  
GEIPOT (Brazil): *Not regulated*  
TDG (Canada): *Not regulated*  
RID, ADR, ADNR (Europe): *Not regulated*  
GGVS and GGVE: *Not regulated*

**15. REGULATORY INFORMATION**

- 15.1 *Contains no REACH substances with Annex XVII restrictions*  
*Contains no substance on the REACH candidate list*  
*Contains no REACH Annex XIV substances*  
*Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.*

*Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.*

## 16. OTHER INFORMATION

- 16.1 *The above information is based on data available to us and is believed to be correct. However, it is not all inclusive and shall be used only as a guide. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use. All persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material.*