

82343-1009

**SAFETY DATA SHEET**  
**according to 1907/2006/EC, Article 31**

**1 Identification**

- *Product identifier*
- *Trade name: artPOP!*
- *Relevant identified uses of the substance or mixture and uses advised against:*  
*Currently no such applications are identified.*
- *Application of the substance / the mixture alcohol based marking ink.*
- *Details of the supplier of the safety data sheet*
- *Manufacturer/Supplier:*  
**Makers of America, LLC**  
**Brooklyn, NY 11232, U.S.A.**
- *Further information obtainable from:*  
**Phone: 800-224-6256**  
**Email: info@artpop.com**  
**Emergency/24 hours: 800-224-6256**

**2 Hazard(s) identification****Highly flammable**

*Information concerning particular hazards for human and environment:*

*The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. **R 1 1 Highly flammable***

*Classification system:*

*The classification is according to the latest editions of the EU-lists and extended by company and literature data.*

**3 Composition/information on ingredients**

- *Chemical characterization: Mixtures*
- Mixture of the following substances listed below with non-hazardous additions.*
- *Description: Mixture of the substances listed below with nonhazardous additions.*
- *Dangerous components: No further relevant information available.*

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<i>Components:</i>				
<i>COLOR</i>	<i>Common Name</i>	<i>CAS</i>	<i>Classification</i>	<i>Conc.</i>
<i>BLACK COLOR</i>	<i>C.I SOLVENT BLACK-5</i>	<i>11099-03-9</i>	<i>Non-dangerous</i>	<i>5%</i>
<i>BLUE COLOR (A1 6)</i>	<i>C.I SOLVENT BLUE-70 C.I SOLVENT RED-49</i>	<i>12237-24-0 509-34-2</i>	<i>Non-dangerous</i>	<i>0-40%</i>
<i>RED COLOR (A31)</i>	<i>C.I SOLVENT RED-49 C.I SOLVENT YELLOW-82</i>	<i>509-34-2 12227-67 -7</i>	<i>Non-dangerous</i>	<i>0-30%</i>
<i>GREEN COLOR (A25)</i>	<i>C.I SOLVENT BLUE-70 C.I SOLVENT YELLOW-82</i>	<i>12237-24-0 12227-67-7</i>	<i>Non-dangerous</i>	<i>3-30%</i>
<i>BLUE COLOR (A32)</i>	<i>C.I SOLVENT BLUE-70</i>	<i>12237-24-0</i>	<i>Non-dangerous</i>	<i>5%</i>
<i>GREEN COLOR (A4)</i>	<i>C.I SOLVENT BLUE-70 C.I SOLVENT YELLOW-82</i>	<i>12237-24-0 12227-67-7</i>	<i>Non-dangerous</i>	<i>3 0/0+2%</i>
<i>VIOLET COLOR (7)</i>	<i>C.I SOLVENT VIOLET-8</i>	<i>477-73-6</i>	<i>Non-dangerous</i>	<i>5%</i>
<i>ORANGE COLOR</i>	<i>C.I SOLVENT YELLOW-82 C.I SOLVENT RED-49</i>	<i>12227-67-7 509-34 2</i>	<i>Non-dangerous</i>	<i>1-12%</i>
<i>PINK COLOR (A7)</i>	<i>C.I. BASIC RED 2</i>	<i>477-73-6</i>	<i>Non-dangerous</i>	<i>5%</i>
<i>BROWN COLOR (A22)</i>	<i>C.I. BASIC RED 2 C.I SOLVENT VIOLET-8</i>	<i>477-73-6 477-73-6</i>	<i>Non-dangerous</i>	<i>5-15%</i>
<i>BROWN COLOR (A27)</i>	<i>C.I. BASIC RED 2 C.I SOLVENT VIOLET-8 C.I SOLVENT YELLOW-82</i>	<i>477-73-6 477-73-6 12227-67-7</i>	<i>Non-dangerous</i>	<i>0-20%</i>
<i>YELLOW COLOR (A3)</i>	<i>C.I SOLVENT YELLOW-82</i>	<i>12227-67-7</i>	<i>Non-dangerous</i>	<i>5%</i>
<i>RED COLOR (J03SSA)</i>	<i>RED AFF YELLOW 5GL</i>	<i>6320-14-5 83949-75-1</i>	<i>Non-dangerous</i>	<i>0-22%</i>
<i>ETHYL ALCOHOL</i>		<i>64-17-5</i>		<i>70%</i>
<i>PROPYLENE GLYCOL MONOMETHYL ETHER</i>		<i>107-98-2</i>	<i>F; Highly Flammable</i>	<i>15%</i>
<i>MALEIC RESINE</i>		<i>26099-09-2</i>	<i>Non-dangerous</i>	<i>0-50%</i>

· Additional information: For the wording of the listed hazard phrases refer to section 16.

#### **4 First-aid measures**

*After inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.*

*After skin contact: Wash affected area off with water or shower. Get immediate medical attention.*

*After eye contact: Flush eyes with generous amounts of water for at least 15 minutes and consult a doctor.*

*After swallowing: If swallowed, do not induce vomiting. Dilute with water or salt water and call a physician immediately.*

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## **5 Fire-fighting measures**

- Extinguishing media: Chemical foam, dry powder, CO2, dry sand*
  - Suitable extinguishing agents: Use firefighting measures that suit the environment.*
  - Special hazards arising from the substance or mixture No further relevant information available.*
  - Advice for firefighters*
  - Protective equipment: No special measures required.*
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## **6 Accidental release measures**

- Personal precautions, protective equipment and emergency procedures Wear protective clothing.*
- Environmental precautions:*

*Shut off all sources of ignition; No flares, smoking or flames in area.*

*Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container with covers for disposal, using no sparking tools and wash off with a plenty of water. Wear a protective clothes and gloves while working. Exercise reasonable care and attention not to drain wastewater into the river.*

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## **7 Handling and storage**

### **HANDLING:**

*No flares, smoking or flames in area. Avoid spark and contact with strong acid.*

*Sufficient ventilation should be done in the working zone, should close the container tightly after working.*

*Avoid to leaking, flooding, scattering and evaporation.*

*Take precautionary measures against static discharge. Wear an electric conductor type clothe and shoes. Do not handle the containers roughly.*

### **STORAGE:**

*Protective type electrical appliances should be used and appliances should be grounded.*

*Ink should be stored in a cool place and be kept in a tightly closed container, protected from physical damage and away from oxidizing materials and sources of ignition.*

*OTHERS: Follow all federal, provincial, and local requirements and regulations.*

*Store in cool, dry conditions in well-sealed receptacles.*

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**8 Exposure controls/personal protection**

	Ethanol	propan-2-ol
Managed density		400ppm
Society for Occupational Health		400ppm (980g/m3)
ACGIH (TLV)	TWA 1000ppm	TWA 400ppm
OSHA (PEL)	air TWA 1000ppm	air TWA 400ppm

**ENGINEERING MEASURES:**

Close the container tightly in case of using in room or doing sufficient ventilation.

Install the safety shower, hand washing apparatus and eyes washable apparatus near to working area.

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**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** NIOSH/MSHA-Approved organic vapor respirator **EYE PROTECTION:** Chemical goggles.

**HAND, SKIN AND BODY PROTECTION:** Gloves, Coveralls, apron, Boots.

**9 Physical and chemical properties**

**Form:** liquid

**Colour:** Various Colours

**Odour:** Solvent odor, typical of alcohol

- Melting point [Melting range: N/A
- Boiling point [Boiling range: 78°C
- Flash point: 12°C
- Self-igniting: product is not self-igniting
- Vapour pressure: N/A
- Density: Not determined
- Solubility/Miscibility with Water: Mixed
- Viscosity: Dynamic at 25°C: 7.0±1.5 mPa

**10 Stability and reactivity**

HAZARD OF SOLVENT DATA	ETHANOL	propan-2-ol
Flash point	19°C (closed)	12°C (closed)
Explosion limit:		
Upper	19	11.8
Lower	3.3	2.0
Ignition Point	371 / 427°C	399°C
<b>Note Explosion limit: volume%</b>		

- *STABILITY AND REACTIVITY: Stable under room temperature.*
- *React to strong acid and may occur fire and explosion.*

**11 Toxicological information**

	ETHANOL	propan-2-ol
Acute Toxicity		
ORAL-Rat LD50	7060mg/kg	5040mg/kg
Stimulus Effects		
Eye-Rabbit	500mg Heavy	10 mg Middle
Skin-Rabbit	400mg Heavy	500 mg Middle
Teratogenicity	N/A	N/A
Carcinogenicity	N/A	N/A
<i>Chronic Toxicity: Repetition or contact on the prolonged skin may start dermatitis.</i>		

- *Additional toxicological information:*
- *The product shows the following dangers according to internally approved calculation methods for preparations:*
- *Carcinogenic categories*

- IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

- NTP (National Toxicology Program)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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## **12 Ecological information**

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bio accumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information: No further relevant information available.
- General notes: No further relevant information available.

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects No further relevant information available.
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## **13 Disposal considerations**

- Waste treatment methods
- Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.


- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.
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**14 Transport information**

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Not applicable
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Not applicable
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	Not applicable
· Packing group	
· DOT, ADR, IMDG, IATA	Not applicable
· Environmental hazards:	Not applicable
· 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":	Not applicable

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Section 355 (extremely hazardous substances: None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings: None of the ingredients is listed.
- TSCA (Toxic Substances Control Act: All components have the value ACTIVE.
- Hazardous Air Pollutants: None of the ingredients is 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.
- DSL/NDSL (Canada) All ingredients are listed.
- Carcinogenicity categories
- EPA (Environmental Protection Agency): None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.
  - MAK (German Maximum Workplace Concentration): None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients listed.
  - GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms:
  - Signal word: Highly Flammable
  - Hazard statements:
- P273 Avoid release to the  environment.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

R 1 1 Highly flammable

Safety phrases: Keep out of the reach of children.

Keep container in a well-ventilated place.

S29/56 Do not empty into drain, dispose of this material and its container at hazardous or special waste collection point.

S46 If swallowed, seek medical advice immediately and show this container or label.

S16 Keep away from sources of ignition – No smoking.

· 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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit