

22182-XXXX

**KRINK****Safety Data Sheet Page: 1****Date of Issue:** 09/18/2018**Latest Revision:** 09/18/2018**Revision #:** 1

This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

## 1. Identification of the Substance/Preparation and the Company Undertaking

### GHS Product Identifier

|                           |                            |
|---------------------------|----------------------------|
| Product Form/Description: | Alcohol-based Paint Marker |
| Product Name:             | Krink K-42                 |

### Other Means of Identification

Formula Codes:

| Black    | White    | Silver   | Gold     | Red      | Yellow   | Orange   | Teal     | Blue     | Light Blue | Green    | Light Green | Yellow Green | Pink     | Light Pink | Purple   | Brown    |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|-------------|--------------|----------|------------|----------|----------|
| XV-11939 | XV-11812 | XV-11894 | XV-11967 | XV-11961 | XV-11820 | XV-12587 | XV-11878 | XV-11979 | XV-11979   | XV-11914 | XV-12587    | XV-12556     | XV-11940 | XV-12672   | XV-11845 | XV-12443 |

### Recommended use of the chemical and restrictions on use

|                       |  |
|-----------------------|--|
| Recommended Use       | Art Products<br>Marking Pen for porous and non-porous surfaces |
| Uses Advised Against: | No information available                                       |

### Supplier's Details

|                      |   |
|----------------------|---|
| Manufacturer Address | Krink<br>32 33rd St., #11<br>Brooklyn, NY 11232 |
|----------------------|---|

### Emergency Telephone Number

|         |                 |                            |
|---------|-----------------|----------------------------|
| Chemtec | US 800-424-9300 | International 703-527-3887 |
|---------|-----------------|----------------------------|

## 2. HAZARD IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communications Standard 2012 (29 CFR 1910.1200):

|                       |   |
|-----------------------|---|
| Physical Hazards      | FLAMMABLE LIQUIDS – Category 3  |
| Health Hazards        | SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2B<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory Tract Irritation) – Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic Effects) – Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 2<br>Percentage of Mixture consisting of ingredient(s) of unknown oral toxicity: 15%<br>Percentage of Mixture consisting of ingredient(s) of unknown dermal toxicity: 30.8%<br>Percentage of Mixture consisting of ingredient(s) of unknown inhalation toxicity: 99.4% |
| Environmental Hazards | Not Classified  |

### GHS Label Elements



**Signal Word:** Danger

**KRINK****Safety Data Sheet Page: 2****Date of Issue:** 09/18/2018**Latest Revision:** 09/18/2018**Revision #:** 1**Precautionary Statements:**

Keep away from heat, sparks, open flames, and hot surfaces. No smoking!

|                 |                       |
|-----------------|-----------------------|
| Appearance:     | Opaque Color          |
| Physical state: | Thin viscosity liquid |
| Odor:           | Alcohol Odor          |

**Hazard Statements:**

| <b>Code</b> | <b>Statement</b>   |
|-------------|--|
| H315        | Causes skin irritation. Causes serious eye irritation.                           |
| H335        | May cause respiratory irritation.  |
| H312        | Harmful in contact with skin.  |
| H372        | May cause damage to organs through prolonged or repeated exposure by inhalation. |
| H226        | Flammable liquid and vapor.  |
| H336        | May cause Drowsiness or Dizziness  |

| <b>Prevention</b>  | <b>Response</b>   | <b>Storage</b>                               | <b>Disposal</b>   |
|--|---|--|---|
| Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Keep cap tightly closed. Use in a well-ventilated area. Do not breathe vapor. Wash thoroughly if on skin. | Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. SKIN (or hair): Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. | Store in a well-ventilated place. Keep cool. | Dispose of contents and container in accordance with all local, regional, national and international regulations. |

**General Advice**

|                          |   |
|--------------------------|---|
| If exposed or concerned: | Get medical attention/advice  |
| ACUTE HAZARD:            | At high concentration, dizziness and unconsciousness may occur.   |
| CAUTION:                 | Contains alcohol. Harmful or fatal if swallowed. Avoid inhalation. Direct contact may cause skin or eye irritation. |

|  |   |
|--|---|
| Fire                                   | Use CO2, dry chemical, foam, or water spray |
| Spills and Leaks                       | Contain and collect spillage                |
| Hazard not Otherwise Classified (HNOC) | Not applicable                              |

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Hazardous substance(s) or Complex Substance(s) required for disclosure**

| <b>Chemical Name</b>       | <b>CAS -No</b> | <b>Weight %</b> |
|----------------------------|----------------|-----------------|
| Colorant Preparation       | Mixture        | 15-20           |
| Pigment White 6            | 13463-67-7     | 20-40           |
| Acrylic/Styrene co-polymer | 100-42-5       | 10-15           |
| Isopropanol                | 67-63-0        | 30-40           |
| Ethanol                    | 64-17-5        | 10-20           |
| DAA                        | 123-42-2       | 5-10            |

\* Concentrations shown as a range is due to batch variations

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**KRINK****Safety Data Sheet Page: 3****Date of Issue:** 09/18/2018**Latest Revision:** 09/18/2018**Revision #:** 1**Description of necessary first-aid measures**

|                             |  |
|-----------------------------|--|
| General Advice              | In case of doubt, or when symptoms persist, seek medical attention.  |
| Eye Contact                 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.  |
| Skin Contact                | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |
| Inhalation:                 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.  |
| Ingestion:                  | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Protection of First Aiders: | Use personal protection equipment.   |

**Most important symptoms/effects, acute and delayed**

| Potential Acute Health Effects |   |
|--------------------------------|---|
| Eye contact                    | Causes eye irritation.  |
| Inhalation                     | Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. |
| Skin Contact                   | No known significant effects or critical hazards.   |
| Ingestion                      | Can cause central nervous system (CNS) depression.  |

| Over-exposure signs/symptoms |  |
|------------------------------|--|
| Eye contact                  | irritation<br>watering<br>redness  |
| Inhalation                   | respiratory tract irritation<br>coughing<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Skin Contact                 | reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Ingestion                    | reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |

**Indication of immediate medical attention and special treatment needed, if necessary**

|                            |   |
|----------------------------|---|
| Note to physician          | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| Specific Treatments        | No specific treatment.  |
| Protection of First Aiders | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

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Dry chemical, carbon dioxide, and regular foam. For large fires, use foam or flood with fine water spray

**Unsuitable Extinguishing media**

No information available

**Specific Hazards arising from the chemical**

Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer, or drain.

**Hazardous Thermal Decomposition Products**

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Protective Equipment and Precautions for Firefighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

|                              |  |
|------------------------------|--|
| For Non-emergency Personnel: | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For Emergency Responders:    | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".   |
| Environmental Precautions    | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.   |

**Methods and materials for containment and cleaning up**

|             |  |
|-------------|--|
| Small Spill | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
|-------------|--|

**7. HANDLING AND STORAGE****Precautions for safe handling**

|  |   |
|--|---|
| Protective Measures                    | Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. |
| Advice on general occupational hygiene | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.  |

**Conditions for safe storage, including any incompatibilities**

|         |  |
|---------|--|
| Storage | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. |
|---------|--|

**KRINK****Safety Data Sheet Page: 5****Date of Issue:** 09/18/2018**Latest Revision:** 09/18/2018**Revision #:** 1**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters**

Occupational Exposure Limits:

| <b>Chemical Name</b>         | <b>ACGIH TLV</b>  | <b>OSHA PEL</b>                              | <b>IDLH</b>                  | <b>NIOSH REL</b>                            |
|------------------------------|---|--|------------------------------|---|
| Isopropyl Alcohol (67-63-0)  | TWA - 200 ppm<br>STEL - 400 ppm<br>Remarks –<br>Eye & URT Irr; CNS repair | TWA – 980 mg/m <sup>2</sup><br>TWA – 400 ppm |                              |   |
| Diacetone Alcohol (123-42-2) | TWA - 50 ppm<br>Remarks –<br>URT Irr; CNS repair                          | TWA – 240 mg/m <sup>2</sup><br>TWA - 50 ppm  | US IDLH – 1800 ppm (10% LEL) | TWA – 240 mg/m <sup>2</sup><br>TWA - 50 ppm |
| Ethanol (64-17-5)            | TWA - 1000 ppm  | TWA - 1000 ppm                               | TWA - 3300 ppm (10% LEL)     | TWA - 1000 ppm                              |

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

| <b>Property</b>                                | <b>Value</b>                                     | <b>Remarks/Method</b>       |
|--|--|-----------------------------|
| Physical State:                                | Liquid   | None Known                  |
| Appearance and Odor:                           | Opaque, thin viscosity liquid with Alcohol odor. | None Known                  |
| Odor Threshold:                                | No Data  | None Known                  |
| Vapor Density (AIR = 1):                       | 3.1 [Air = 1]                                    | None Known                  |
| Vapor Pressure (mm-Hg @ 70°F):                 | 1.5 kPa (10.9 mm Hg) [at 20°C]                   | None Known                  |
| Flash Point:                                   | Closed cup: 31°C (87.8°F)                        | [Pensky-Martens Closed Cup] |
| Specific Gravity (H2O=1) @70°F:                | >1   | None Known                  |
| Flammability:                                  | No Data  | None Known                  |
| Auto-ignition Temperature:                     | No Data  | None Known                  |
| Decomposition Temperature:                     | No Data  | None Known                  |
| Melting Point:                                 | No Data  | None Known                  |
| Freezing Point:                                | No Data  | None Known                  |
| Boiling Point:                                 | 282 to 286°F                                     | None Known                  |
| Relative Evaporation Rate (Butyl Acetate = 1): | 0.66 (butyl acetate = 1)                         | None Known                  |
| Solubility in Water:                           | Negligible                                       | None Known                  |
| Log Pow:                                       | No Data  | None Known                  |
| PH:  | No Data  | None Known                  |
| Explosive limits                               | Lower: 1.5% Upper: 13.74%                        | None Known                  |
| Explosive Properties                           | No Data  | None Known                  |
| Oxidizing Properties                           | No Data  | None Known                  |
| Volatile Organic Compound:                     | 70%  | None Known                  |
| Relative density                               | No Data  | None Known                  |

**Volatile Organic Compounds**

| <b>Color</b> | <b>Formula</b> | <b>Weight</b> |
|--------------|----------------|---------------|
| Various      | K-42           | 10 ml         |

**10. STABILITY AND REACTIVITY**

|                    |  |
|--------------------|--|
| Reactivity         | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical Stability | Stable under recommended conditions.   |

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|                                    |   |
|------------------------------------|---|
| Possibility of Hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur.   |
| Hazardous Polymerization           | Will not occur  |
| Conditions to Avoid                | Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |
| Incompatible Materials             | Reactive or incompatible with the following materials: oxidizing materials  |
| Hazardous Decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

No Data

**Irritation/Corrosion**

No Data

**Delayed and immediate effects and also chronic effects from short and long term exposure**

|                                   |                           |
|-----------------------------------|---------------------------|
| Respiratory or Skin Sensitization | No information available. |
| Germ Cell Mutagenicity            | No information available. |

**Potential Acute Health Effects from immediate or prolonged exposure**

See section 4.

**12. ECOLOGICAL INFORMATION**

|             |  |
|-------------|--|
| Ecotoxicity | There is no data available on the product itself |
|-------------|--|

**13. DISPOSAL CONSIDERATIONS**

|                        |  |
|------------------------|--|
| Waste Disposal Methods | Dispose of in accordance with all applicable local, state and federal regulations. |
| Contaminated Packaging | Do not re-use empty containers.  |

**14. TRANSPORT INFORMATION**

|  |                    |
|--|--------------------|
| Domestic Highway (Containers <1 Quart are ORM-D) Proper Shipping Name: | Consumer Commodity |
| Hazard Class/Subsidiary:   | ORM-D              |
| Label Required:  | ORM-D              |

|                            | <b><u>(Ground) DOT</u></b> | <b><u>(Sea) IMDG/IMO</u></b> | <b><u>(Air) IATA</u></b> |
|----------------------------|----------------------------|------------------------------|--------------------------|
| UN number                  | UN 1263                    | UN 1263                      | UN 1263                  |
| Proper Shipping Name       | Consumer Commodity         | Consumer Commodity           | Consumer Commodity       |
| Transport Hazard Class(es) | 3                          | 3                            | 3                        |
| Packing Group              | II                         | II                           | II                       |
| Environmental Hazards      | No.                        | No.                          | No.                      |

**15. REGULATORY INFORMATION****Statement of Conformance for Art Materials:**

FROM: John J Clary, PH. D. Fellow ATS.

ART MATERIAL: K-42 from Krink, Its franchises, Distributors, and Dealers.

This Review is based on current chemical composition of the above named material, and specific information is acute and chronic toxicity, physical form, bioavailability, and concentrations used, standard practices and related information. The risk assessment on the material itself is attached. This material must be re-evaluated at least every five years (January 23 2020).

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In my professional judgment, based on this evaluation, your art material listed above conforms to ASTM D 4236 (LHMA – 16 CFR 1500.14). It is my opinion that this material under reasonable handling or use (includes reasonable foreseeable accidental handling or use) should not cause personal injury or substantial illness nor would it be expected to be toxic, corrosive, or combustible, an irritant or a strong sensitizer by the oral, dermal, or inhalation routes of exposure as defined in the FHSA Regulations (16 CFR 1500.3 (b), (5), (8), (9)). Labeling is required under FHSA: **CAUTION: FLAMMABLE**

The statement "Conforms to ASTM D 4236" is required for chronic toxicity on the label.

No labeling is required under the provisions of The California Safe Drinking Water and Toxic Enforcement Act of 1986

This Material is Determined to be Non-Toxic under Proposed us Conditions.

*John J. Clary*  
John J. Clary, Ph.D.  
Certified in General Toxicology  
Fellow, A.T.S

**Regulatory Status:**

This product has been evaluated by a toxicologist and labeled for acute and chronic health hazards in accordance with the Labeling of Hazardous Art Materials Regulation and Federal Regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act. This product conforms to ASTM D-4236 Standard Practice for Labeling Art Materials for Chronic Adverse health effects. This product has been certified by ACMI (Artists Craft Material Institute, Inc.) to carry the AP(Approved Product) Seal, meaning this product bears no chronic or acute human health hazards.

**TSCA Inventory:**

The product on this SDS is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory.

**US Regulatory Rules:**

Section 313 or Title III of SARA. This product contains a chemical, which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

**Hazard categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | YES |
| Chronic Health Hazard             | NO  |
| Fire Hazard                       | YES |
| Sudden release of Pressure Hazard | NO  |
| Reactive Hazard                   | NO  |

**State Regulation**

|                           |        |
|---------------------------|--------|
| California Proposition 65 | Listed |
|---------------------------|--------|

**16. OTHER INFORMATION****HMIS CLASSIFICATION**

|                  |  |
|------------------|--|
| Health Hazard:   | 2  |
| Flammability:    | 3  |
| Physical Hazard: | 0  |
| PPE              | Splash Goggles, Gloves, Apron,<br>Vapor Respirator |

|                      |   |
|----------------------|---|
| Health Hazard:       | 2 |
| Flamability:         | 3 |
| Physical Hazard:     | 1 |
| Personal Protection: | B |

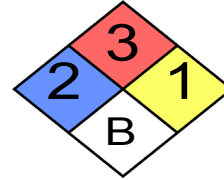
**NEPA CLASSIFICATION**

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|----------------------------------|------------------------------------|----------------------|

|                     |   |
|---------------------|---|
| Health Hazard       | 2 |
| Flammability        | 3 |
| Reactivity          | 0 |
| Personal Protection | B |



**End of Safety Data Sheet**