

22181-2020

**KRINK****Safety Data Sheet Page: 1****Date of Issue:** 11/28/2018**Latest Revision:** 11/28/2018**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: | <b>Alcohol Based Ink Marker</b> |
| Product Name:             | <b>K-71, K-63, K-51, K-70</b>   |
| Synonyms                  | <b>KRINK® Ink Marker</b>        |

### Other Means of Identification

Formula Code:

| Super Black | Blue     | Brown  | Green    | Orange  | Purple   | Red      |
|-------------|----------|--------|----------|---------|----------|----------|
| XV-676      | XV-12349 | XV-985 | XV-11127 | XV-1083 | XV-12381 | XV-12408 |

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

|                       |                          |
|-----------------------|--------------------------|
| Recommended Use       | Marking                  |
| Uses Advised Against: | No information available |

### Supplier's Details

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

### Emergency Telephone Number

|          |                 |                            |
|----------|-----------------|----------------------------|
| Chemtrec | 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      | <b>FLAMMABLE LIQUIDS – Category 3</b>   |
| Health Hazards        | <b>SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2B</b><br><b>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory Tract Irritation) – Category 3</b><br><b>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic Effects) – Category 3</b><br><b>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 2</b><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, including precautionary statements



**KRINK****Safety Data Sheet Page: 2****Date of Issue:** 11/28/2018**Latest Revision:** 11/28/2018**Revision #:** 1**Signal Word: Danger**

|                 |                           |
|-----------------|---------------------------|
| Appearance:     | Translucent color, varies |
| Physical state: | Thin viscosity liquid     |
| Odor:           | Aromatic 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:                 | Keep away from children. Avoid inhalation. Direct contact may cause skin or eye irritation. |

**KEEP OUT OF REACH OF CHILDREN.**

|  |  |
|--|--|
| Fire                                   | Use CO <sub>2</sub> , 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> |
|----------------------|----------------|-----------------|
| 1-methoxy-2-propanol | 107-98-2       | 35-40           |
| N-Methyl Pyrrolidone | 872-50-4       | 1-5             |
| Diacetone Alcohol    | 123-42-2       | 30-40           |

\* 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:** 11/28/2018**Latest Revision:** 11/28/2018**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 for at least fifteen (15) minutes. Get medical attention immediately.   |
| Skin Contact                | Flush skin with plenty of water. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser.   |
| Inhalation:                 | Remove to fresh air, keep patient warm and at rest.<br>If breathing is irregular seek medical advice.<br>If not breathing, give artificial respiration.<br>If breathing is difficult, give oxygen.<br>Seek medical attention immediately. |
| Ingestion:                  | Seek medical attention immediately.<br>Do not induce vomiting.<br>Never give anything by mouth to an unconscious person.  |
| Protection of First Aiders: | Use personal protection equipment.  |

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

|                                 |                          |
|---------------------------------|--------------------------|
| Most important symptoms/effects | No information available |
|---------------------------------|--------------------------|

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

|                   |                       |
|-------------------|-----------------------|
| Note to physician | Treat symptomatically |
|-------------------|-----------------------|

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

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**

|                                    |                                    |
|------------------------------------|------------------------------------|
| Flash Point:                       | 89°F (TCC) ASTM D56                |
| Flammability Limits (% by volume): | LEL 2.1 UEL 13.7 Note: Approximate |
| Unusual Fire Explosion Hazards:    | none                               |

**Protective Equipment and Precautions for Firefighters**

Wear appropriate self-contained breathing apparatus MSHA/NIOSH (approved or equivalent) and full protective gear. Cool closed containers exposed to fire with water spray. Avoid inhalation of material or combustion by-products; stay upwind.

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

|                            |  |
|----------------------------|--|
| Personal Precautions:      | Avoid breathing vapors. Evacuate personnel to safe areas. Ensure adequate ventilation. |
| Environmental Precautions: | Avoid release into the environment. Do not allow entrance to drains or water-courses.  |

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

|                          |   |
|--------------------------|---|
| Methods for Containment: | Prevent further leakage or spillage if safe to do so.   |
| Methods for Cleaning Up  | Contain the spillage with non-combustible absorbent materials such as sand, earth, vermiculite, and diatomaceous earth. This will soak up the product. Place in a suitable container for disposal in accordance with the waste regulations. |

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

Item Numbers: 22181-2020, 22181-2021, 22181-3010, 22181-3011, 22181-3060, 22181-3061, 22181-4010, 22181-4011, 22181-4511, 22181-4601, 22181-5010, 22181-5011, 22181-5590, 22181-5591, 22181-6000, 22181-6001, 22181-7010, 22181-7011, 22181-8001

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|          |   |
|----------|---|
| Handling | Avoid skin and eye contact. Avoid the inhalation of vapor and mist. |
|----------|---|

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

|                       |   |
|-----------------------|---|
| Storage               | Keep away for open flame, hot surfaces and sources of ignition.<br>Keep containers tightly closed. Observe label precautions.<br>Store between 5-25° C in a dry, well ventilated place.<br>Prevent unauthorized access. |
| Incompatible products | Unknown   |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters**

Exposure Guidelines:

| <u>Chemical Name</u> | <u>ACGIH TLV</u>           | <u>OSHA PEL</u> | <u>NIOSH IDLH</u> |
|----------------------|----------------------------|-----------------|-------------------|
| TWA 50 ppm           | TWA 50 ppm<br>STEL 100 ppm |                 |                   |
| N-Methyl Pyrrolidone | BEIS<br>100 mg/l           |                 |                   |
| Diacetone Alcohol    | TWA: 50 ppm                | 50 ppm          |                   |

**Appropriate engineering controls**

|                      |  |
|----------------------|--|
| Engineering Measures | Showers, eyewash stations, ventilation systems |
|----------------------|--|

**Individual protection measures, such as personal protective equipment**

|                          |  |
|--------------------------|--|
| Eye/Face protection      | None under normal use conditions   |
| Skin and body Protection | None under normal use conditions   |
| Respiratory Protection   | None under normal use conditions.<br>If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn                 |
| Hygiene Measures         | Use in a well-ventilated area.<br>When using do not eat, drink, or smoke.<br>Provide regular cleaning of equipment, work areas and clothing. |

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

| <u>Property</u>                                | <u>Value</u>                                      | <u>Remarks/Method</u> |
|--|---|-----------------------|
| Physical State:                                | Liquid  | None Known            |
| Appearance and Odor:                           | Opaque, thin viscosity liquid with aromatic odor. | None Known            |
| Odor Threshold:                                | No Data   | None Known            |
| Vapor Density (AIR = 1):                       | Greater than one (1)                              | None Known            |
| Vapor Pressure (mm-Hg @ 70°F):                 | 20.8mm-Hg   | None Known            |
| Flash Point:                                   | 89°F (TCC) ASTM D56                               | Tag 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:                                 | 207°F   | None Known            |
| Relative Evaporation Rate (Butyl Acetate = 1): | Less than one (1)                                 | None Known            |
| Solubility in Water:                           | Negligible  | None Known            |
| Log Pow:                                       | No Data   | None Known            |
| PH:  | No Data   | None Known            |
| Viscosity (Kinematic):                         | No Data   | None Known            |
| Viscosity (Dynamic):                           | No Data   | None Known            |

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|                      |         |            |
|----------------------|---------|------------|
| Explosive limits     | No Data | None Known |
| Explosive Properties | No Data | None Known |
| Oxidizing Properties | No Data | None Known |

**Volatile Organic Compounds**

| <b>Color</b> | <b>Formula</b> | <b>Percentage (% by weight)</b> | <b>Parts Per Gallon</b> | <b>g/L</b> |
|--------------|----------------|---------------------------------|-------------------------|------------|
| Black        | XV-676         |                                 |                         |            |
| Blue         | XV-12349       |                                 |                         |            |
| Brown        | XV-985         |                                 |                         |            |
| Green        | XV-11127       |                                 |                         |            |
| Orange       | XV-1083        |                                 |                         |            |
| Purple       | XV-12381       |                                 |                         |            |
| Red          | XV-12408       |                                 |                         |            |

**10. STABILITY AND REACTIVITY**

|                                    |   |
|------------------------------------|---|
| Reactivity                         | No data available   |
| Chemical Stability                 | Stable under normal storage and handling conditions                             |
| Possibility of Hazardous reactions | None under normal use   |
| Hazardous Polymerization           | Will not occur  |
| Conditions to Avoid                | Heat, open flame, sparks, and sources of ignition                               |
| Incompatible Materials             | Strong oxidizing and reducing agents, strong alkalis and strong acids           |
| Hazardous Decomposition products   | Carbon dioxide, carbon monoxide, smoke, soot and various oxidation by-products. |

**KRINK****Safety Data Sheet Page: 6****Date of Issue:** 11/28/2018**Latest Revision:** 11/28/2018**Revision #:** 1**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|              |  |
|--------------|--|
| Inhalation   | May cause irritation of respiratory tract. May cause drowsiness and dizziness. |
| Eye Contact  | Irritating to eyes. Causes serious eye irritation.                             |
| Skin Contact | Irritating to skin. Causes skin irritation.                                    |
| Ingestion    | Ingestion may cause nausea and vomiting.                                       |

| <b>Chemical</b>      | <b>LD50 oral</b>  | <b>LD50 Dermal</b>  | <b>LD50 Inhalation</b>    |
|----------------------|-------------------|---------------------|---------------------------|
| 1-methoxy-2-propanol | 6,040 mg/kg - Rat | 12,900 mg/kg - Rat  | 7 hours - Rat             |
| N-Methyl Pyrrolidone | 4,150 mg/kg - Rat | >5,000 mg/kg - Rat  | >5.1 mg/l - 4 hours - Rat |
| Diacetone Alcohol    | 4.0 g/kg - Rat    | 14.5 mL/kg - Rabbit | -                         |

**Symptoms related to the physical, chemical and toxicological characteristics**

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

**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.  |
| Carcinogenicity                   | This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B). |

**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>(Ground)<br/>DOT</b>  | <b>(Ground)<br/>TDG</b>  | <b>(Ground)<br/>MEX</b>  | <b>(Road/Train)<br/>ADR/RID</b>   | <b>(Sea)<br/>IMDG/IMO</b>  | <b>(Air)<br/>IATA</b>  |
|----------------------------|--|--|--|---|--|--|
| UN number                  | UN 1263  | UN 1263  | UN 1263  | UN 1263   | UN 1263  | UN 1263  |
| UN proper shipping name    | Paint related material   | Paint related material   | Paint related material   | Paint related material  | Paint related material   | Paint related material   |
| Transport Hazard Class(es) | <br>3 | <br>3 | <br>3 | <br>3 | <br>3 | <br>3 |
| Packing Group              | III  | III  | III  | III   | III  | III  |
| Environmental Hazards      | No.  | No.  | No.  | No.   | No.  | No.  |
| Additional Information     | Limited quantity:<br>Yes.<br>Packaging instruction<br>Passenger aircraft<br>Quantity     | Explosive Limit and Limited Quantity Index<br>5<br>Passenger Carrying Road               | Special provisions:<br>223   | Hazard identification number<br>30<br>Limited quantity<br>5 L                             | Emergency schedules (EmS)<br>F-E, _S-E_<br>Special provisions<br>223, 955                  | Passenger and Cargo Aircraft<br>Quantity limitation: 60 L<br>Packaging instructions: 355   |

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|  |  |                     |  |  |   |  |
|--|--|---------------------|--|--|---|--|
|  | limitation: 60 L<br><u>Cargo aircraft</u><br><u>Quantity</u><br>limitation: 220 L<br><u>Special</u><br><u>provisions</u><br>B1, B52, IB3,<br>T2, TP1 | or Rail Index<br>60 |  | Special<br>provisions<br>640E<br>Viscous<br>substance<br>exemption<br>This class 3<br>material can be<br>considered non<br>hazardous in<br>packagings up<br>to 450 L.<br>Exempted<br>according to 2.<br>2.3.1.5<br>(Viscous<br>substance<br>exemption)<br>Tunnel code<br>(D/E) | Viscous<br>substance<br>exemption<br>This class 3<br>material can be<br>considered non<br>hazardous in<br>packagings up<br>to 30 L.<br>Exempted<br>according to 2.<br>3.2.5 (Viscous<br>substance<br>exemption) | <u>Cargo Aircraft</u><br><u>Only Quantity</u><br><u>limitation:</u> 220 L<br><u>Packaging</u><br><u>instructions:</u> 366<br><u>Limited</u><br><u>Quantities -</u><br><u>Passenger</u><br><u>Aircraft</u><br><u>Quantity</u><br><u>limitation:</u> 10 L<br><u>Packaging</u><br><u>instructions:</u><br>Y344<br><u>Special</u><br><u>provisions</u><br>A3 |
|--|--|---------------------|--|--|---|--|

Special Precautions for User:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**15. REGULATORY INFORMATION**

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.

|                      |           |
|----------------------|-----------|
| 1-methoxy-2-propanol | 107-98-2  |
| N-Methyl Pyrrolidone | 872-50-4  |
| Diacetone Alcohol    | 123-42-2  |
| Carbon Black         | 1333-86-4 |

**Hazard categories**

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

**State Regulation**

|                           |   |
|---------------------------|---|
| California Proposition 65 | 1-methoxy-2-propanol Listed<br>N-Methyl Pyrrolidone Listed<br>Diacetone Alcohol Listed<br>Carbon Black Listed |
|---------------------------|---|

# KRINK

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

**16. OTHER INFORMATION**

**HMIS CLASSIFICATION**

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

|                             |          |
|-----------------------------|----------|
| <b>Health Hazard:</b>       | <b>2</b> |
| <b>Flamability:</b>         | <b>3</b> |
| <b>Physical Hazard:</b>     | <b>0</b> |
| <b>Personal Protection:</b> | <b>B</b> |

**NFPA CLASSIFICATION**

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



**End of Safety Data Sheet**