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MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

CHEMICAL NAME: Purple Matrix Ink                      TRADE NAME: KNUSA "A" PURPLE  
CHEMICAL FAMILY: Fatty Acid Ester                      FORMULA: Proprietary  
HAZARD RANKING:    HMIS HAZARD CLASS:  
0 - Least    Health    = 1  
1 - Slight    Flammability                                      = 1  
2 - Moderate    Reactivity    = 0  
3 - High  
4 - Extreme

SECTION II - HAZARDOUS INGREDIENTS

None Per 29 CFR PART 1910.1200

Contains no ingredient known to retain hazardous properties or carcinogens appearing on any government lists.

SECTION III - PHYSICAL DATA

BOILING POINT: 400 Deg F                                      SPECIFIC GRAVITY: 1.0  
VAPOR PRESSURE MMHG @ 180 Deg C: 1.0                      VOLUME % VOLATILE: None  
VAPOR DENSITY (AIR = 1): Heavier Than                      APPEARANCE & ODOR: Purple/Mild  
SOLUBILITY IN WATER: Negligible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 360 degrees F (COC)  
FLAMMABLE LIMITS: N/A  
EXTINGUISHING MEDIA: Foam, alcohol foam, CO2 or dry chemical to extinguish  
NFPA Class II fires

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**SPECIAL FIRE FIGHTING PROCEDURES:**

Fight as a volatile liquid fire. Closed containers may explode when exposed to extreme heat - keep away from areas exposed to fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

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**SECTION V - HEALTH HAZARD DATA**  
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**SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE**

**INHALED:** None Expected

**CONTACT WITH SKIN OF EYES:** May cause eye irritation and drying of the skin

**ABSORBED THROUGH SKIN:** Can cause dermatitis in sensitive individuals

**SWALLOWED:** Can cause diarrhea if significant quantities are ingested

**HEALTH EFFECTS OR RISKS FROM OVEREXPOSURE**

**ACUTE:** Eye or skin contact may cause irritation

**CHRONIC:** None Known

**EMERGENCY AND FIRST AID PROCEDURES:**

For prolonged skin contact, wash the affected skin areas thoroughly with soap and water. Flush eyes with large amount of water for at least 5 minutes. Remove and launder contaminated clothing before reuse. If ingested, DO NOT induce vomiting. Get medical attention. Remove to fresh air.

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**SECTION VI - REACTIVITY DATA**  
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**STABILITY:** [ ] Unstable [x] Stable

**CONDITIONS TO AVOID:** Avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition and fire.

**INCOMPATIBILITY:** Strong acids or alkalis. Long term contact with water.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon dioxide and or carbon monoxide.

**HAZARDOUS POLYMERIZATION:** [ ] May occur [x] Will not occur

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SECTION VII - LEAK AND DISPOSAL PROCEDURES

SPILL AND LEAK PROTECTION PROCEDURES:

Soak up spill and or leak with sawdust, earth, or other suitable absorbent and scoop into closed containers. Wash spill area with plenty of water.

WASTE DISPOSAL METHOD:

Landfill or incinerate in accordance with applicable local, state, and federal environmental regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Approved respirator for organics vapors if local exhaust insufficient to control fumes.

VENTILATION: Mechanical (general) ventilation is acceptable.

EYE PROTECTION: Safety glasses or goggles with side shields

PROTECTIVE CLOTHING:

Impervious clothing where skin contact is unavoidable along with rubber gloves for protection. No eating, drinking, or smoking while handling this product.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

In accordance with good industrial work practices. No eating, drinking, or smoking while handling this product. Do not store near excessive heat or open flame. Keep in closed or covered container.

OTHER PRECAUTIONS: None known

EMPTY CONTAINERS: Dispose of according to applicable local, state or federal environmental regulations.

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