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MATERIAL SAFETY DATA SHEET

Revision Date: 16/04/2019

Transport/Fire Emergency: **000** (Emergency Services)
Medical Emergency: **131126** (Poisons information)

Graphic Chemical Lithographic Inks

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT NAME:	Graphic Chemical Lithographic Inks
OTHER NAMES:	Lithography Ink Litho Ink
APPLICATION OF SUBSTANCE:	Fine Art Printing Ink
MANUFACTURED BY:	Graphic Chemical & Ink Company P.O. Box 7027 728 North Yale Villa Park, IL 60181, USA
CONTACT NUMBERS:	800-535-5053

2. HAZARDOUS INFORMATION
<p>Routes of Entry: Ingestion, Skin contact, Eye contact, Inhalation.</p> <p>Medical Conditions Aggravated: Eye disease, Skin disease including eczema and sensitisation, Respiratory disease Including asthma and bronchitis.</p> <p>Immediate (Acute) Health Effects: Inhalation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Harmful! Can cause systemic damage (see "Target Organs") Skin Contact: Can cause minor skin irritation, defatting, and dermatitis. Eye Contact: Can cause minor irritation, tearing and reddening. Skin Absorption: Minimal hazard in normal industrial use. Ingestion: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhoea. Small amounts of this product aspired (breathing in of liquid into the lungs) into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Target Organ Acute Toxicity: Eyes, Skin, Respiratory system, Central nervous system stimulation.</p>

2. HAZARDOUS INFORMATION

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data available to indicate product or any component present at greater than 0.1% are suspected or listed carcinogens. Not listed as a carcinogen by: NTP, IARC, OSHA

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Prolonged or excessive inhalation may cause respiratory tract irritation.

Skin Contact: Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Upon prolonged or repeated contact, can cause minor irritation, tearing and reddening.

Skin Absorption Upon prolonged or repeated exposure, minimal hazard in normal industrial use. No component(s) in this product are known to be absorbed through the skin.

Target Organ Chronic Toxicity: Skin, Respiratory tract, Central nervous system stimulation.

Supplemental Health Hazard Information: Individuals with pre-existing eye and skin disorders can be at greater risk

MANUFACTURER'S CODE:	47200-8040
UN NUMBER:	N/A
DANGEROUS GOODS CLASS AND SUBSIDIARY RISK:	N/A
HAZCHEM CODE:	N/A
POISONS SCHEDULE NUMBER:	N/A
PACKAGING GROUP:	N/A
HAZARD CATEGORY:	N/A
CLASS:	N/A

3. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary mixture of linseed oil and pigments.

4. FIRST AID MEASURES

GENERAL:	Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration. Pre-existing allergies or eczema.
INHALATION:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Seek medical advice if symptoms persist.
EYE CONTACT:	Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.
SKIN CONTACT:	Wash with soap and water. Get medical attention if irritation develops or persists.

4. FIRST AID MEASURES	
INGESTION:	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

5. FIRE FIGHTING MEASURES	
EXTINGUISHING MEDIA:	Alcohol resistant foam, carbon dioxide or dry chemical
DO NOT USE:	Do not direct a water stream directly into the hot burning liquid.
DEGREE OF FIRE RISK:	<p>Combustible</p> <p>Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Can burn in fire, releasing toxic vapors. Container may explode in heat of fire.</p> <p>Byproducts of combustion can include Carbon monoxide, Carbon dioxide, Nitrogen containing gases, Hydrogen chloride, Smoke, Toxic fumes.</p>
RECOMMENDATIONS:	<p>Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Water may be ineffective in fire fighting due to low flash point, low solvent density, and limited miscibility with water.</p> <p>Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use water spray/fog for cooling. Run-off from fire control may cause pollution. Fight fire from a safe distance and a protected location due to the potential of hazardous vapours and decomposition products. Notify appropriate authorities if liquid enters sewers or other public waters. Heat may build pressure and rupture closed containers, spreading fire and increasing risk of burns or injuries.</p>

6. ACCIDENTAL RELEASE MEASURES	
<p>Health Consideration for Spill Response: No health effects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Ventilate the contaminated area. Poses little or no immediate hazard Remove soiled clothing and launder before reuse.</p> <p>Spill Mitigation Procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.</p> <p>Air Release: Ventilate the area by opening door and/or turning on fans and blowers. Water Release: Avoid runoff into storm sewers and ditches that lead to waterways. Do not flush to sewer. Notify authorities if entry occurs. Retain all contaminated water for treatment.</p> <p>Land Spills: Avoid runoff into storm sewers and ditches that lead to waterways. Scoop up material and place in a disposal container. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Wash area with soap and water. Do not flush to sewer.</p>	

7. HANDLING AND STORAGE	
HANDLING:	N/A

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STORAGE:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container closed when not in use. Keep away from sources of ignition. Store in a tightly closed container. Keep away from heat, sparks, and flame. Do not store in direct sunlight. Store in a cool dry place.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION	
ENGINEERING MEASURES:	Local exhaust ventilation.
<i>PERSONAL PROTECTION</i>	
RESPIRATORY PROTECTION:	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
HAND PROTECTION:	Impervious rubber or natural latex recommended. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
EYE PROTECTION:	Safety goggles or glasses recommended.
SKIN PROTECTION:	Barrier creams may be useful to protect skin from contact with the product. Use of protective coveralls and long sleeves is recommended. Launder contaminated clothing before reuse. Have a safety shower available. Contaminated clothing should be decontaminated then washed at a commercial laundry before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE:	Coloured paste with mild resinous odour.
FLASH POINT:	93°C (200°F)
BOILING POINT:	149°C (300°F)
VAPOUR PRESSURE:	N/A
VAPOUR DENSITY:	Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.
SPECIFIC GRAVITY:	1.32
SOLUBILITY IN WATER:	Insoluble
MELTING POINT:	N/A
ORGANIC VOLATILES, % BY WEIGHT	6.41

10. STABILITY AND REACTIVITY

Stable: substances will remain stable when exposed to heat, pressure or water. Hazardous polymerization will not occur.

Avoid: temperatures above flash point in combination with sparks, open flames, or other sources of ignition; strong oxidising agents.

Decomposition products: Hydrogen chloride, Nitrogen containing gases, Carbon dioxide, Carbon monoxide, Smoke, Toxic fumes.

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

This material is not expected to be harmful to the ecology. No ecological information available. Keep out of waterways.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State, Provincial, and Local regulations.

14. TRANSPORT INFORMATION

Not hazardous for transport.

15. REGULATORY INFORMATION

CONEG Legislation: No CONEG metals are present above regulated limits
U.S Toxic Substance Control Act: All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

16. OTHER INFORMATION

The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, and management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses and is for the material without chemical additions/alterations. We believe this information is up-to-date as of the date of publication and provide it in good faith, but make no warranty of any kind with respect to such information on this product.