



SAFETY DATA SHEET

1. IDENTIFICATION

Product Code: MS-1014
Recommended Use: For use in industrial installations only

Manufacturer: Hanco Ink, LLC
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2. HAZARD(S) IDENTIFICATION

Physical Hazard Classification: This product has no physical hazard classification according to the Globally Harmonized System (GHS).

Health Hazard Classification:

Label Elements:



Signal Word: Warning

Hazard Statements:

Harmful if swallowed.
May cause an allergic skin reaction.
Suspected of damaging fertility.
Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not handle until all safety precautions have been read and understood.
Avoid breathing mist or vapor.
Wash thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Hazards not otherwise classified: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material or Component	CAS Number	%
Trade Secret	N/A	100%

4. FIRST AID MEASURES

Inhalation: Remove subject to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash immediately with soap and water for at least 15 minutes. If symptoms persist seek medical attention.

Eye Contact: Flush with copious amounts of water for at least 15 minutes while holding eyelids open. If symptoms persist, seek medical attention.

Ingestion: Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Seek medical advice/attention if you feel unwell.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Not Suitable:	Do not use water jet. Water jet will spread the fire.
Specific Hazards:	During fire, exposure may cause a health hazard. May release carbon monoxide, carbon dioxide, nitrogen containing gases, hydrogen chloride, and other toxic fumes. Runoff from fire control may cause pollution.
Special Protective Equipment for Fire-Fighters:	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:	Ensure adequate ventilation. Avoid contact with the skin and eyes by wearing recommended personal protective equipment. Wash thoroughly after handling.
Protective Equipment:	Protective clothing, gloves, eyewear, appropriate safety shoes.
Emergency Procedures:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.
Methods for Containment:	Contain spills immediately with spill socks and inert materials (sawdust/sand).
Methods for Cleanup:	Absorb with inert materials. Sweep or scrape up. Place in a container for proper disposal. Rinse affected area(s) with soap and water. Ensure runoff from cleanup is collected.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink, or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Cobalt carboxylates may cause the ignition of rags or paper goods or other oxidizable materials.
Storage:	Store locked up. Store in original tightly closed container. Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls:

Component	OSHA PEL
Fatty Acids, Tall-oil, Cobalt Salts (CAS 61789-52-4)	0.1 mg/m ³
Distillates (Petroleum), Hydrotreated Middle (CAS 64742-46-7)	5 mg/m ³

Engineering Controls:	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Ventilation should effectively remove and prevent the buildup of any vapor/mist/fume generated from handling this product. This is especially important in confined areas.
Respiratory Protection:	No protective equipment is needed under normal conditions of use. If exposure limits are exceeded or irritation is experienced, additional ventilation or respiratory protection may be required.
Eye Protection:	Full coverage safety glasses/goggles are recommended.
Skin and Body Protection:	Wear chemical resistant gloves/protective clothing. Clean and inspect gloves and clothing regularly.
Hygiene Practices:	Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Launder contaminated clothing before reuse.
Special Requirements:	No special requirements under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Purple. Browns when aged.
Odor:	no data available
Odor Threshold:	no data available
pH:	no data available
Melting Point:	no data available
Freezing Point:	no data available
Initial Boiling Point:	no data available
Boiling Range:	no data available
Flash Point:	greater than 200 degrees F
Evaporation Rate:	no data available
Flammability:	no data available
Upper/Lower Flammability:	no data available
Vapor Pressure:	no data available
Vapor Density:	no data available
Relative Density/Specific Gravity:	1.0
Solubility:	no data available
Partition Coefficient:	no data available
Auto-ignition Temperature:	no data available
Decomposition Temperature:	no data available
Viscosity:	no data available
VOC % by Weight:	5.67%

10. STABILITY AND REACTIVITY

Reactivity:	Stable and non-reactive under normal conditions of use, storage, and transport.
Chemical Stability:	Stable under suggested/recommended storage conditions.
Possibility of Hazardous Reactions:	Will not occur under suggested/recommended storage conditions.
Conditions to Avoid:	When exposed to high temperatures may produce hazardous decomposition products.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin contact, eye contact, ingestion.
Symptoms:	Prolonged inhalation may be harmful. May cause an allergic skin reaction. Direct contact with eyes may cause temporary irritation. Harmful if swallowed.
Effects From Exposure:	no data available
Numerical Measure of Toxicity:	no data available
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

15. REGULATORY INFORMATION

FEDERAL REGULATIONS

SARA 313

<u>Component</u>	<u>WT %</u>
Cobalt Compounds	15-25
Manganese Compounds	45-55

TSCA (USA TOXIC SUBSTANCE CONTROL ACT)

Components listed

STATE REGULATIONS

This product complies with the US Coalition of Northeast Governors (CONEG). The sum of heavy metals Lead, Cadmium, Mercury, and Hexavalent Chromium is less than 100 ppm.

16. OTHER INFORMATION

Revision Date:

3/31/2017

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.

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