

Material Safety Data Sheet # 252
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

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I. PRODUCT IDENTIFICATION

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033 Emergency phone: (323) 264-2200	HMIS HAZARD IDENTIFICATION								
	<table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>1</td></tr> <tr><td>Reactivity</td><td>0</td></tr> <tr><td>Personal Protection</td><td>B</td></tr> </table>	Health	1	Flammability	1	Reactivity	0	Personal Protection	B
Health	1								
Flammability	1								
Reactivity	0								
Personal Protection	B								
Product Class: Lithographic Paste Drier	Manufacturer's code: S-1043								
Trade Name: Non - Scratch Drier / Paste Drier									

II. COMPOSITION / INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Manganese tallate	8030-70-4	99.9	OSHA / PEL mg/M 3 ACGIH / TLV mg/M3 % Metal : 6 Mn	5 ceil. Mn 0.2 Mn
Hazardous due to target organ effects.				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Caution: Avoid breathing vapors or mist. This product may cause upper respiratory tract irritation. Caution should be taken to prevent aerosolization or misting of this product. The threshold limit value (TLV) for this product as mist is 5 mg/M ³ . Excessive inhalation and / or ingestion of some manganese compounds have been reported to cause nervous system and respiratory disorders.
Skin Contact: Caution: Avoid skin contact. This product is irritating to the skin upon direct contact. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route. Overexposure to cobalt compounds may cause an allergic skin rash.
Eye Contact: Caution. Avoid eye contact. This product may be irritating to the eyes upon direct contact.
Ingestion: Do not ingest. If swallowed, symptoms may include vomiting, diarrhea, a sensation of hotness, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) This material can enter the lungs during swallowing or vomiting and cause lung inflammation and / or damage. See <i>Notes to Physician</i> section below.

IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures
Eyes: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. Seek medical attention.
Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.
Inhalation: Remove victim from exposure. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek medical attention.

Ingestion: If swallowed induce vomiting immediately by giving 2 glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Seek IMMEDIATE medical attention..

Notes to Physician: Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage, and may be fatal. Signs of lung involvement include increased respiration rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting, with risk of aspiration.

V. FIRE AND EXPLOSION DATA

Flash Point °F: >200 PMCC	Auto-ignition Temperature °F: No Data	
Flammable Limits in Air	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Use water fog, foam, CO ₂ , or dry chemical extinguishing media.		
Special Fire Fighting Procedures: Use self contained breathing apparatus. Water is recommended to cool containers exposed to heat or flame. If container is not properly cooled it can rupture. Isolate immediate hazard area, keep unauthorized personnel out. Move undamaged containers from immediate hazard area if it can be done safely.		
Unusual Fire & Explosion Hazard: Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion. Moderate when exposed to extreme heat or flame.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Eliminate all ignition sources. Ventilate area of spill. Do Not allow to enter confined spaces such as sewers, storm drains, other authorized treatment drainage systems, and other natural waterways. Stay upwind and away from spill / release. Isolate danger and keep unauthorized personnel out. Absorb in vermiculite, dry sand, earth or similar material.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area, away from all sources of heat, ignition and open flame. Keep away from strong oxidizing agents. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.

Other Precautions: For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, and smoking.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits.

Personal Protective Equipment

Respirator: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

Skin: Use impervious synthetic rubber clothing, boots, gloves, etc. over parts of the body subject to exposure.

Eye: Wear plastic face or splash-proof safety goggles to protect against exposure.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: >350 F	Vapor Density (Air = 1): N/A
Relative Density (H₂O = 1): 1.00	Vapor Pressure (mm Hg @ 70°F): N/A
Material Density Lbs./Gal: 8.35	Solubility in Water: Insoluble
%Volatiles by Weight: < 1.0	Evaporation Rate: N/A pH: N/A
VOC: lbs/gal: 7.51 g/L: 9.0	Appearance/Odor: Brown paste

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Excessive heat and sources of
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	ignition.
Hazardous Polymerization: Will not occur.	Materials to avoid: Contact with strong oxidizers.
Hazardous Decomposition Products: Thermal decomposition may produce carbon monoxide.	

XI. TOXICOLOGICAL INFORMATION

CARCINOGEN: This product has not been identified as a carcinogen by OSHA or the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC).

Mutagen: No Data

Teratogen: No Data

Reproductive Toxicity: No Data

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time.

XIII. DISPOSAL INFORMATION

Waste Disposal Method: If recycling as ink is not possible, material may be incinerated or land filled at a licensed facility in accordance with local, state, and federal regulations.

XIV. TRANSPORT INFORMATION

Flammability Classification:

OSHA: Class III B

DOT: Not Regulated

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material contains chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

<u>Chemicals</u>	<u>CAS#</u>
Manganese comp.	8030-70-4

Section 311 / 312 Hazard Categories:

Acute Health Hazard

CERCLA / Superfund:

N/A

Hazardous Air Pollutants (HAP) :

Not Listed

TSCA Section 8(b) Inventory Status:

All component(s) of this product are either exempt or listed on the TSCA Inventory.

International Regulations:

All components are registered in:

Australia (AICS)

Canada (DSL)

China (IESC)

Europe (EINECS)

Korea (KECI)

New Zealand (ERMA)

Philippines (PICCS)

U.S. State Regulations

California Proposition 65:

This product does not intentionally contain any chemicals known by the state of California to cause cancer and/or reproductive harm. Moreover, Gans Ink and Supply Co., Inc. does not routinely analyze its products for impurities which may be such chemicals.

XVI. OTHER INFORMATION

The information herein is presented in good faith, based on the data available to us and is believed to be correct as of the date hereof. However, Gans Ink and Supply Co., Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Gans Ink and Supply Co., Inc. assumes no responsibility for any damages of any nature directly or indirectly resulting from the use of or reliance upon the information contained herein. Users must make their own determination as to the suitability of the product for their purpose prior to use. In accordance with good practices of personal cleanliness and hygiene, handle with due care and avoid unnecessary contact with this product.