

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

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 MSDS#: 252

**I. PRODUCT IDENTIFICATION**

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033  Emergency phone: (323) 264-2200	<b>HMIS HAZARD IDENTIFICATION</b>	
	Health	2
	Flammability	1
	Reactivity	0
	Personal Protection	B
<b>Product Class:</b> Lithographic Paste Drier	<b>Manufacturer's code:</b> S-1043	
<b>Trade Name:</b> Non - Scratch Drier / Paste Drier		

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Manganese Tallate	8030-70-4	99.9	OSHA / PEL 5 ceiling mg/m3 OSHA STEL ACGIH / TLV 0.2 mg/m3 ACGIH STEL	Mn fume Not Established Mn fume Not Established
Hazardous due to target organ effects.				

**III. HEALTH HAZARD INFORMATION**

Effects of Overexposure
<b>Inhalation:</b> Avoid inhalation. Manganese compounds have been reported to cause nervous system and pulmonary system damage by inhalation of fumes and dust. Central nervous system effects may include drowsiness, perioral numbness. Respiratory effects may include "metal fume fever" and pleuritis. Chronic exposure may cause Parkinson- like symptoms (such as muscle weakness, tremor, slurred speech, and gait disturbances). May cause psychiatric symptoms such as nervousness and irritability. 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 <sup>3</sup> . Conditions aggravated by exposure may include respiratory (asthma- like) disorders.
<b>Skin Contact:</b> 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.
<b>Eye Contact:</b> Avoid eye contact. This product may be irritating to the eyes upon direct contact. Symptoms may include stinging, tearing, and redness.
<b>Ingestion:</b> Do not ingest. May be harmful if swallowed. Aspiration of this product can cause chemical pneumonia. 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
<b>Eyes:</b> Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. If irritation persists seek medical attention.

<b>Skin:</b> Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. Launder contaminated clothing before reuse.
<b>Inhalation:</b> 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.
<b>Ingestion:</b> Aspiration hazard. DO NOT induce vomiting or give anything by mouth, this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious, place on left side with head down. If possible do not leave victim unattended. Seek IMMEDIATE medical attention.
<b>Notes to Physician:</b> 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

<b>Flash Point °F:</b> 230 °F PMCC	<b>Auto-ignition Temperature °F:</b> No Data	
<b>Flammable Limits in Air</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use foam, CO <sub>2</sub> , or dry chemical extinguishing media.		
<b>Special Fire Fighting Procedures:</b> Firefighters use self contained breathing apparatus and protective gear. Keep away from all ignition sources, heat, sparks and open flame. 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.		
<b>Unusual Fire &amp; Explosion Hazard:</b> 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

<b>Steps to be taken in event of spill or release:</b> Wear gloves and protective clothing. Eliminate all ignition sources. Ventilate area of spill. Stay upwind and away from spill / release. Isolate danger and keep unauthorized personnel out. Absorb with an inert material such as vermiculite, sand or dirt. Scrape up with trowel or scoop and place in a suitable container. Dispose of in accordance to state, local and Federal regulations. Do Not allow to enter sewers, drains, and other waterways.
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#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Store in containers in a cool, well-ventilated area. Keep 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.
<b>Other Precautions:</b> 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

<b>Ventilation Requirements:</b> 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.
<b>Personal Protective Equipment</b>
<b>Respirator:</b> 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.
<b>Skin:</b> Use impervious synthetic rubber clothing, boots, gloves, etc. over parts of the body subject to exposure. Safety showers are recommended.
<b>Eye:</b> Wear plastic face shield or splash-proof safety glasses or goggles to protect against exposure. Eyewash stations are recommended.

### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Range °F:</b> 510 °F	<b>Vapor Density (Air = 1):</b> > 1
<b>Relative Density (H<sub>2</sub>O = 1):</b> 1.02	<b>Vapor Pressure (mm Hg @ 68°F):</b> No Data
<b>Material Density Lbs./Gal:</b> 8.50	<b>Solubility in Water:</b> Insoluble
<b>% Volatiles by Weight:</b> 1.0	<b>Evaporation Rate:</b> Slower than ether
<b>VOC: lbs/gal:</b> .085 <b>g/L:</b> 10.2	<b>Appearance/Odor:</b> Brown paste

### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Excessive heat, open flames and sources of ignition.
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Contact with strong oxidizers. Avoid prolonged contact with porous materials.
<b>Hazardous Decomposition Products:</b> When product is heated to decomposition, product will emit acrid dense smoke with carbon dioxide, carbon monoxide; trace sulfur oxides, water and other products of combustion. Manganese oxide.	

### XI. TOXICOLOGICAL INFORMATION

<b>CARCINOGEN:</b> 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).	
<b>Mutagen:</b>	No Data
<b>Teratogen:</b>	No Data
<b>Reproductive Toxicity:</b>	No Data

### XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time. As with all chemicals and products do not allow to enter drains, sewers or waterways.
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### XIII. DISPOSAL INFORMATION

<b>Waste Disposal Method:</b> 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.
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### XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b>	
<b>OSHA:</b>	Class III B
<b>DOT (Ground):</b>	Not Regulated
<b>IMO/IMDG (Sea):</b>	Not Regulated
<b>IATA/ ICAO (Air):</b>	Not Regulated

### XV. REGULATORY INFORMATION

<b>SARA Title III Section 313:</b> This material contains chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.	
<b>Chemicals</b>	<b>CAS#</b>
Manganese comp.	8030-70-4
<b>Section 311 / 312 Hazard Categories:</b> Acute Health Hazard	

**SARA Section 302 - Extremely Hazardous Substances (EHS):**

This product does not contain greater than 1.0% of any chemical substance on the SARA EHS list.

**Hazardous Air Pollutants (HAP) :**

Manganese comp. 8030-70-4

**TSCA Section 8(b) Inventory Status:**

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

**TSCA 12(b):** No components are subject to TSCA 12 (b) export notification requirements.

**International Regulations:**

This product is listed on:

Australia (AICS)

Canada (DSL)

China (IESC)

Europe (EINECS)

Korea (KECI)

New Zealand (ERMA)

Philippines (PICCS)

Japan (ENCS) All components are listed on the Japanese Existing and New Chemical Substances.

**Japanese Pollutant Release Transfer Register (PRTR):**

Manganese compounds are Class 1 regulated substances, number 311, as Manganese and its Compounds.

The annual threshold quantity is 1.0 tons.

**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.

**B**

Safety Glasses  
Gloves

