

# SAFETY DATA SHEET

**SDS NUMBER:** S74  
Revision: 2  
Prepared: 8/23/2016  
Reason for revision: Update VOC Information

No. Pages: 6

## 01 PRODUCT AND COMPANY IDENTIFICATION

Product Name:  
Product Code: Various (see section 16)  
Recommended Use: Printing Ink: Offset

Address:  
Phone:  
Fax:  
Initials of Country:

## 02 HAZARDS IDENTIFICATION

### GHS Classification:

Acute Toxicity - Oral	Category 4
Specific Target Organ Toxicity (Single exposure)	Category 3
Specific Target Organ Toxicity (Repeated exposure)	Category 1

**APPEARANCE AND ODOR:** COLORED PASTE, OILY SMELL

**SIGNAL WORD:** WARNING

### HAZARD PICTOGRAMS AND STATEMENTS:



### PHYSICAL HAZARDS

H302 Harmful if swallowed.  
H335 May cause respiratory irritation, or...  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs through prolonged exposure.

### PRECAUTIONARY STATEMENTS PREVENTION

P264 Wash hands thoroughly after handling  
P260 Do not breathe dust / fumes / gas / mist / vapors / spray.  
P271 Use only outdoors or in a well-ventilated area.  
P270 Do not eat, drink or smoke when using this product.

### RESPONSE

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P314 Get medical advice/attention if you feel unwell.

**STORAGE:**

Store in a well ventilated place. Keep container tightly closed.

**03. COMPOSITION/INFORMATION ON INGREDIENTS**

For Mixtures:

Chemical Name	Cas No. and other unique identifiers	Concentration
Zn / Cu / Al powder	7440-50-8; 7440-66-6; 7429-90-5	15 - 25%
Petroleum solvent	64742-47-8	20 - 24%
Synthetic resin	70955-45-2	23 - 27%
Soybean oil	8001-22-7	23 - 27%
Additives		1 - 5%

**04. FIRST AID MEASURES**

*Inhalation:*

Allow the victim to rest in a well ventilated area. Consult a doctor if the victim continues to feel unwell.

*Skin contact:*

If in contact with skin, wash immediately with plenty of soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

*Eye contact:*

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

*Ingestion:*

If appreciable quantities have been swallowed, seek medical attention. Do not induce vomiting.

**05. FIRE FIGHTING MEASURES**

*Flashpoint:*

None

*Auto ignition:*

Will not occur

*LEL:*

N/A

*UEL:*

N/A

*Flammable Limits*

N/A

*Extinguishing Media:*

Water spray, foam or dry chemical

*Unusual Fire/Explosion Hazards:*

Dense smoke may be generated when burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

*Hazardous Combustion Products:*

Hydrocarbons, carbon monoxide (CO), soot, smoke.

**FIRE FIGHTING EQUIPMENT:**

Firefighters and others who are exposed should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

**06. ACCIDENTAL RELEASE MEASURES**

*Personal Precautions:*

Use personal protection recommended in Section 8.

*Environmental Precautions:*

Keep out of drains and water courses.

*Small Spills:*

Absorb small spills with an inert material and then place in a chemical waste container. Refer to section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

*Large Spills:* Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material with an inert material such as sand. Clean spill area with detergent.

## 07. HANDLING AND STORAGE

*Handling Precautions:* Wear all appropriate Personal Protective Equipment (PPE). Use the product in a manner which minimizes splashes. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Wash exposed skin thoroughly after handling.

*Storage Requirements:* Containers should be stored away from heat. Keep containers tightly closed and in a dry place.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Exposure Limit Values</i>	CAS No.	Wt. %	ACGIH
			(TLV-TWA) (*3)
Carbon black	1333-86-4 (*1)	20~25	3.5 mg/m <sup>3</sup>
Pigment Blue 15:3	147-14-8(*2)	18—23	(TWA) 1mg (Cu) /m <sup>3</sup>
Petroleum solvent	64742-46-7		(TWA) 200 mg/m <sup>3</sup>

(\*1): Only applicable to black ink.

(\*2): Only applicable to Cyan ink.

(\*3) : Threshold Limit Value - Time Weighted over 8 hours

*Engineering Controls:* Safety showers, eyewash station and adequate ventilation.

*Exposure Guidelines:* No specific occupational exposure limit has been established.

*Eye Protection:* Safety glasses are recommended. Have eye flushing equipment available.

*Hand Protection:* Use of gloves or barrier cream recommended. Do not apply barrier cream after exposure. Consult the glove/clothing manufacturer to determine the appropriate type of glove or clothing for use with this material in your specific application.

*Body Protection:* Wash contaminated skin thoroughly and promptly with mild soap and water. Do not use solvents, as these can penetrate the skin and cause irritation. Launder contaminated clothing and clean protective equipment before reuse.

*Respiratory Protection:* Avoid breathing vapor or mist. Lack of local mechanical exhaust ventilation at point of use may require the use of respirators.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

*Physical State:* Thick, tacky liquid

*pH Value:* Not determined

*Boiling Range:* > 300 F

*Vapor Pressure (mmHg):* Not determined

*Vapor Density:* Heavier than air

*Flash Point:* > 200 F

*Specific Gravity (color dependent):* Not determined

*LBS. VOC/Gallon of Ink::* Not determined  
*% VOC (WT):* Varies by color see section 16 for details

## **10. STABILITY AND REACTIVITY**

*Reactivity:* Stable  
*Chemical stability:* Stable  
*Possibility of hazardous reactions:* No hazardous reactions when stored and handled according to instructions. This product is chemically stable.  
*Conditions to avoid:* No specific data.  
*Incompatibilities:* No specific data.  
*Hazardous Decomposition Products:* Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **11. TOXICOLOGICAL INFORMATION**

### ***Acute effects of exposure:***

*Inhalation:* *The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.*  
*Ingestion:* *Irritating to the mouth, throat and stomach.*  
*Skin contact:* *Avoid skin contact. Slight to moderate irritant. May cause allergic reaction.*  
*Eye contact:* *May cause serious eye irritation.*  
*Chronic effects:* *Causes damage to organs through prolonged or repeated exposure.*  
*Numerical measures of toxicity:* *Not determined.*  
*Carcinogenicity:* *Not a carcinogen by IARC, NTP or OSHA.*  
***Acute Toxicity:***  
*Oral toxicity:* rat LD50 6450 mg/kg (CaCO3) \* Yellow  
rat LD50 > 15000 mg/kg (Petroleum solvent)  
rat LD50 > 15400 mg/kg (Carbon black) ^BLACK  
rat LD50 > 10800 mg/kg (Pigment Yellow 12) ^Yellow  
*Skin corrosion and skin irritation:* Rabbit : 500mg (24h) (Draize test) (CaCO3)  
*Eye damage and eye irritation:* Rabbit : 500mg (24h) (Draize test) (CaCO3)

## **12. ECOLOGICAL INFORMATION**

*Ecotoxicity:* *No data available*  
*Persistence and degradability:* *No data available*  
*Bioaccumulative potential:* *No data available*  
*Mobility in soil:* *No data available*  
*Other adverse effects:* *No data available*

### 13. DISPOSAL CONSIDERATIONS

*US EPA RCRA STATUS:* This material, when discarded, is not a hazardous waste as that term is defined by the Resource, Conservation, and Recovery Act (RCRA), 40 CFR 261.

*DISPOSAL CONSIDERATIONS:* Dispose in accordance with federal, state, and local regulations.

*MISCELLANEOUS ADVICE:* This material and its container must be disposed of in a safe way. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA. Dispose of through a licensed facility.

### 14. TRANSPORT INFORMATION

*Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.*

*Additional information: Not regulated by IATA or IMDG.*

### 15. REGULATORY INFORMATION

*EPA TSCA Inventory: The chemical compounds of this product are contained on the Section 8(B) Chemical Substance Inventory List (40CFR710).* Yes

*This product contains the following components that are listed by IARC as possibly carcinogenic to humans (Group 2B):* -- Not regulated

*OSHA (29 CFR 1910.1200 Appendix A) Classification:* -- Not regulated

*US EPA RCRA Status: This product contains the following ingredients that are classified as hazardous wastes as this term is defined by the Resource, Conservation, and Recovery Act (RCRA), 40 CFR 261:* -- Not regulated

*SARA Section 302 (40 CFR 255) Extremely Hazardous Substances: The following components are listed as extremely hazardous substances under SARA Section 302:* -- Not regulated

*Clean Air Act S112 Hazardous Air Pollutants (HAPS):* Manganese compounds 8030-70-4  
Cobalt compounds 61789-52-4

*Pursuant to Section 311/312 of Sara Title III, the physical and health hazards categories for this product are identified below:* -- Not regulated

*Fire Hazard:* No

*Sudden release of pressure:* No

*Reactive hazard:* No

*Immediate (Acute) health hazard:* Yes

*Delayed (Chronic) health hazard:* No

California Proposition 65:

This product contains trace levels of a component or components known to the state of California to cause birth defects or other reproductive harm.

Yes

Bisphenol A <100ppm

## 16. OTHER INFORMATION

Item Code	Voc %
931Z0871	13.2
931Z0872	13.2
931Z0873	13.2
931Z0874	10.5
931Z0875	13.2
931Z0876	13.2
931Z0877	16.0

*A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if or where precautions (in addition to those described herein) are required. Any health hazard and safety information contained herein should be passed on to your employees.*

**DISCLAIMER OF LIABILITY** : *Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained here. Braden Sutphin Ink Company makes no warranty with respect here to and disclaims all liability from reliance there on. Each individual should make a determination as to the suitability of the information for their particular purpose(s).*