

SAFETY DATA SHEET

SDS NUMBER: S68
Revision: 1
Prepared: 2/15/2016
Reason for revision: Update to SDS Format

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:

Skin Corrosion / Irritation	Category 2
Serious Eye Damage/Irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ/whole body toxicity (repeated exposure)	Category 1

APPEARANCE AND ODOR: COLORED PASTE, OILY SMELL

SIGNAL WORD: **WARNING**

HAZARD PICTOGRAMS AND STATEMENTS:



PHYSICAL HAZARDS

H315 Causes Skin Irritation

H319 Causes serious eye irritation.

H351 suspected of causing cancer

H372 Causes damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS PREVENTION

P264 Wash hands thoroughly after handling

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

RESPONSE

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

STORAGE:

Store locked up.

03. COMPOSITION/INFORMATION ON INGREDIENTS

For Mixtures:

Chemical Name	Cas No. and other unique identifiers	Concentration %
Pigment		15 - 25
Synthetic resin	70955-45-2	23 - 27
Soybean oil	8001-22-7	23 - 27
Petroleum solvent	64742-47-8	20 - 24
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.	ACGIH
		(TLV-TWA) (*3)
Carbon black	1333-86-4 (*1)	3.5 mg/m ³
Pigment Blue 15:3	147-14-8(*2)	(TWA) 1mg (Cu) /m ³
Pigment Red 53	2/1/5160	TWA 0.5mg/m ³ (soluble barium)
Petroleum solvent	64742-46-7	(TWA) 200 mg/m ³
TiO ₂	13463-67-7	(TWA) 10mg/m ³
CaCo ₃	471-34-1	(TWA) 10mg/m ³

(*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): Varies by color see section 16 for details

LBS. VOC/Gallon of Ink:: Varies by color see section 16 for details

% 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
 rat LD50 > 630 mg/kg (TiO2)

Skin corrosion and skin irritation: Rabbit : 500mg (24h) (Draize test) (CaCO3)

Eye damage and eye irritation: Rabbit : 750mg (24h) (Draize test) (CaCO3)

Carcinogenicity: *TiO2 (CAS# 13463-67-7)*
IARC Group 2B
ACGIH Group A4

Pigment Red 53:1 (cas# 5610-02-1)
IARC Group 2B
ACGIH Group A4

TiO2 (CAS# 13463-67-7)
IARC Group 2B
ACGIH Group A4

12. ECOLOGICAL INFORMATION

<i>Ecotoxicity:</i>	<i>No data available</i>
<i>Persistence and degradability:</i>	<i>No data available</i>
<i>Bioaccumulative potential:</i>	<i>No data available</i>
<i>Mobility in soil:</i>	<i>No data available</i>
<i>Other adverse effects:</i>	<i>No data available</i>

13. DISPOSAL CONSIDERATIONS

<i>US EPA RCRA STATUS:</i>	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.
<i>DISPOSAL CONSIDERATIONS:</i>	Dispose in accordance with federal, state, and local regulations.
<i>MISCELLANEOUS ADVICE:</i>	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

<i>EPA TSCA Inventory: The chemical compounds of this product are contained on the Section 8(B) Chemical Substance Inventory List (40CFR710).</i>	Yes
<i>This product contains the following components that are listed by IARC as possibly carcinogenic to humans (Group 2B):</i>	-- Not regulated
<i>OSHA (29 CFR 1910.1200 Appendix A) Classification:</i>	-- Not regulated
<i>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:</i>	-- Not regulated
<i>SARA Section 302 (40 CFR 255) Extremely Hazardous Substances: The following components are listed as extremely hazardous substances under SARA Section 302:</i>	-- Not regulated
<i>Clean Air Act S112 Hazardous Air Pollutants (HAPS):</i>	Manganese compounds 8030-70-4 Cobalt compounds 61789-52-4
<i>Pursuant to Section 311/312 of Sara Title III, the physical and health hazards categories for this product are identified below:</i>	-- 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: Yes
 This product contains trace levels of a component or components known to the state of California to cause birth defects or other reproductive harm. Bisphenol A <100ppm

16. OTHER INFORMATION

Item Code	Voc %
931K03200	11.1
931B04200	9.0
931R06200	12.7
931Y07200	10.8

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.

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