



# SAFETY DATA SHEET

Prepared in accordance with ISO 11014-1/ ANSI standard Z400.1-2004/ JIS Revision date: 30-Jun-2015  
Z 7253:2012

According to JIS Z 7253: 2012, a Safety Data Sheet (SDS) must be provided for hazardous substances or mixtures. This product does not meet the classification criteria according to this standard. Therefore, such document is outside the scope of the standard and the requirements for each section do not apply.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product name: CAB-O-JET® 554B

Product Code: COJ554B

### Other means of identification

Synonyms: Modified Pigment Dispersion

Registration number(s) No information available

### Recommended use of the chemical and restrictions on use

Recommended use: Printing Inks

Restrictions on use: Not Applicable

### Details of the supplier of the safety data sheet

|                     |                           |
|---------------------|---------------------------|
| Cabot Corporation   | Cabot Corporation         |
| 157 Concord Road    | Inkjet Colorants Division |
| Billerica, MA 01821 | 50 Rogers Road            |
| UNITED STATES       | Haverhill, MA 01835       |
| Tel: 1-978-663-3455 | UNITED STATES             |
| Fax: 1-978-670-6955 | Tel: 1-978-556-8400       |
|                     | Fax: 1-978-556-0976       |

Emergency Telephone Number: CHEMTREC Japan (Tokyo): 03-4520-9637  
International CHEMTREC: +1 703-741-5970 or +1-703-527-3887  
CHEMTREC US 1-800-424-9300 or +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label Elements:

None

Hazards not otherwise classified (HNOC)

|  |  |
|--|--|
| Principle Routes of Exposure:              | Skin, Eyes   |
| Eye Contact:                               | May cause irritation. Avoid eye contact.   |
| Skin Contact:                              | May cause irritation. Avoid skin contact.  |
| Inhalation:                                | Dust from dried product, aerosols and/or mist may be irritating to respiratory tract. Provide appropriate local exhaust ventilation at machinery and at places where dust from dried product, aerosols and/or mist can be generated. See also Section 8.                         |
| Ingestion:                                 | Adverse health effects are not expected. See Section 11.   |
| Carcinogenicity:                           | Does not contain any substances listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference of Governmental Industrial Hygienists) or EU (European Union). |
| Target Organ Effects:                      | None under normal use  |
| Medical Conditions Aggravated by Exposure: | None under normal use  |
| Potential Environmental Effects:           | Not expected to be harmful to the environment. However, product is dispersible in water and release to the environment should be avoided.  |

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms: Modified Pigment Dispersion.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

| Chemical name   | CAS No       | weight-% | ENCS - Japan Existing and New Chemical Substances | ISHL No | Japan GHS Classification |
|---|--------------|----------|---|---------|--------------------------|
| Water   | 7732-18-5    | 89-91    | -   | -       | -                        |
| Benzenesulfonic acid, (8,18-dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxaziny)-, sodium salt (1:1) | 1169941-05-2 | 9-11     | -   | -       | No data available        |

**4. FIRST AID MEASURES**FIRST AID MEASURES

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|              |   |
|--------------|---|
| Skin Contact | Wash thoroughly with soap and water. Seek medical attention if redness, swelling, itching, or burning occurs.   |
| Eye contact  | Flush eyes immediately with large amounts of water for 15 minutes. Seek medical attention if redness, swelling, itching, burning or visual disturbances occur.  |
| Inhalation   | If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures. |
| Ingestion    | Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.   |

Most important symptoms and effects, both acute and delayed

Symptoms: Product is not classified as hazardous. The most important known symptoms and effects are described in Section 2 and/or in Section 11.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Product is not classified as hazardous. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media:

No information available.

Specific hazards arising from the chemical:

No information available.

Hazardous combustion products:

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Oxides of sulfur. Nitrogen oxides (NO<sub>x</sub>).

Protective equipment and precautions for firefighters:

In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid the formation of dust from dried product, aerosols and/or mists. Ensure adequate ventilation.

Environmental Precautions:

Environmental Precautions: Avoid release to the environment. Dispersible in water. Local authorities should be advised if spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. See Section 13.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on safe handling: Avoid contact with skin and eyes. Avoid the formation of dust from dried product, aerosols and/or mists. Provide appropriate local exhaust ventilation at machinery and at places where dust from dried product, aerosols and/or mist can be generated. In case of insufficient ventilation, wear suitable respiratory protection equipment.

### Conditions for safe storage, including any incompatibilities

Storage Conditions: DO NOT FREEZE. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Do not store together with strong oxidizing agents.

Incompatible materials: Strong oxidizers such as chlorates, bromates, and nitrates.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines: .

There are no exposure limits identified for this product.

Engineering Controls: Ensure adequate ventilation to minimize exposures. Provide appropriate local exhaust ventilation at machinery and at places where dust from dried product, aerosol and/or mist can be generated.

### Personal protective equipment [PPE]

Respiratory Protection: Approved respirator may be necessary if local exhaust ventilation is not adequate.

Hand Protection: Wear protective gloves to prevent soiling of hands.

Eye/face Protection: Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear suitable protective clothing. Wash clothing daily. Work clothing should not be allowed out of the workplace.

Other: Handle in accordance with good industrial hygiene and safety practice. Emergency eyewash and safety shower should be located nearby.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                 |                |                 |                |
|-----------------|----------------|-----------------|----------------|
| Physical State: | Liquid         | Odor:           | None           |
| Appearance:     | Colored liquid | Odor threshold: | Not Applicable |
| Color:          | blue           |                 |                |

| <u>Property</u>               | <u>Values</u> | <u>Remarks • Method</u>  |
|-------------------------------|---------------|--------------------------|
| pH:                           | 5.5-8.5       |                          |
| Melting point/freezing point: |               | No information available |

|  |                                   |
|--|-----------------------------------|
| Boiling point / boiling range:                       | No information available          |
| Evaporation Rate:                                    | No information available          |
| Vapor pressure:                                      | No information available          |
| Vapor Density:                                       | No information available          |
| Density:   | No information available          |
| Bulk Density:  | No information available          |
| Specific Gravity at 20°C:                            | No information available          |
| Water solubility:                                    | Insoluble but readily dispersible |
| Solubility(ies):                                     | No information available          |
| Partition Coefficient<br>(n-octanol/water):          | No information available          |
| Decomposition temperature:                           | No information available          |
| Viscosity: 1.0-2.2 cP                                | No information available          |
| Kinematic viscosity:                                 | No information available          |
| Dynamic viscosity:                                   | No information available          |
| Oxidizing Properties:                                | Not Applicable                    |
| Softening point:                                     | No information available          |
| VOC content (%):                                     | Not Applicable                    |
| % Volatile (by Volume):                              | No information available          |
| % Volatile (by Weight):                              | No information available          |
| Surface Tension:                                     | No information available          |
| Explosive properties:                                | Not Applicable                    |
| Flash Point:   | Not Applicable                    |
| Flammability (solid, gas):                           | No information available          |
| Flammability Limit in Air:                           | No information available          |
| Explosion Limits in Air - Upper (g/m <sup>3</sup> ): | No information available          |
| Explosion Limits in Air - Lower (g/m <sup>3</sup> ): | No information available          |
| Autoignition Temperature:                            | No information available          |
| Minimum Ignition Temperature:                        | No information available          |
| Minimum Ignition Energy:                             | No information available          |
| Ignition Energy:                                     | No information available          |
| Maximum Absolute Explosion Pressure:                 | No information available          |
| Maximum Rate of Pressure Rise:                       | No information available          |
| Burn Velocity:                                       | No information available          |
| Kst Value:   | No information available          |
| Dust Explosion Classification:                       | No information available          |

## 10. STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | May react exothermically upon contact with strong oxidizers. |
| Stability:                          | Stable.  |
| Explosion data                      | See also Section 9.  |
| Sensitivity to Mechanical Impact:   | None.  |
| Sensitivity to Static Discharge:    | None.  |
| Possibility of hazardous reactions: | None under normal processing.                                |

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: None known.

Incompatible materials: Strong oxidizers such as chlorates, bromates, and nitrates.

Hazardous decomposition products: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Sulfur oxides. Nitrogen oxides (NO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

*Information given is based on data on the components and the toxicology of similar products.*

### Acute toxicity

Oral LD50: No data are available on the product itself.

Inhalation LC50: No data are available on the product itself

Dermal LD50: No data are available on the product itself.

Skin Irritation: No data are available on the product itself.

Eye Irritation: No data are available on the product itself.

Sensitization: No data are available on the product itself.

Germ Cell Mutagenicity No data are available on the product itself.

Subchronic toxicity: No data are available on the product itself

Chronic Toxicity: No data are available on the product itself.

Carcinogenicity: No data are available on the product itself. Does not contain any substances listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference of Governmental Industrial Hygienists) or EU (European Union).

Reproductive Toxicity: No data are available on the product itself.

STOT - single exposure: No data are available on the product itself.

STOT - repeated exposure: No data are available on the product itself.

Aspiration Hazard: No data are available on the product itself.

## 12. ECOLOGICAL INFORMATION

*Information given is based on data on the components and the toxicology of similar products.*

Aquatic Toxicity: No data are available on the product itself

### ENVIRONMENTAL FATE

|   |  |
|---|--|
| Persistence and degradability               | Not expected due to physicochemical properties of the substance. |
| Bioaccumulation                             | Not expected due to physicochemical properties of the substance. |
| Mobility:                                   | Not soluble in water, but highly dispersible.                    |
| Distribution to Environmental Compartments: | Dispersible.   |
| Other adverse effects:                      | No information available.  |

### 13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 3 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

|                          |   |
|--------------------------|---|
| Disposal considerations: | Dispose in accordance with applicable legislations. When selecting a disposal alternative, landfill is not recommended due to the water dispersible characteristics of this material. Same consideration should be given to the disposal of empty containers. Reuse is not recommended. |
|--------------------------|---|

### 14. TRANSPORT INFORMATION

#### Japanese Regulations

|                      |                |
|----------------------|----------------|
| Shipping Safety Law: | Not determined |
|----------------------|----------------|

Not classified as dangerous in the meaning of transport regulations.

#### DOT

|                      |               |
|----------------------|---------------|
| UN/ID no             | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |

#### ICAO (air)

|                      |               |
|----------------------|---------------|
| UN/ID no             | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |

#### IATA

|                      |               |
|----------------------|---------------|
| UN/ID no             | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |

IMDG

|                      |               |
|----------------------|---------------|
| UN/ID no             | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |

RID

|                      |               |
|----------------------|---------------|
| UN/ID no             | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |

ADR

|                      |               |
|----------------------|---------------|
| UN/ID no             | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |

## 15. REGULATORY INFORMATION

Japanese Regulations

Industrial Safety & Health Law (ISHL) Article 57-2, Operation 18-2 table 9, notifiable substances of name etc. (378 Copper and Notifiable Substances: its compound).

Monitoring (Designated) Chemical Substances: Not regulated.

Fire Service Law: Not regulated.

Poisonous and Deleterious Substances Control Law: Not regulated.

*International Inventories*

|  |                 |
|--|-----------------|
| TSCA - United States Toxic Substances Control Act Section 8(b) Inventory   | Complies        |
| DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List   | Complies        |
| EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances | Complies        |
| ENCS - Japan Existing and New Chemical Substances  | Complies        |
| IECSC - China Inventory of Existing Chemical Substances  | Complies        |
| KECL - Korean Existing and Evaluated Chemical Substances   | Complies        |
| PICCS - Philippines Inventory of Chemicals and Chemical Substances   | Does not comply |
| AICS - Australian Inventory of Chemical Substances   | Complies        |
| NZIoC - New Zealand Inventory of Chemicals   | Does not comply |
| TCSI - Taiwan Chemical Substance Inventory   | Complies        |

Note: The chemicals in inkjet and toner cartridges may not be subject to notification when imported as finished cartridges in the following countries under an "article" exemption: Canada (but not the Province of Ontario), Japan and New Zealand. Please contact your Cabot sales representative for more information.



|                       |
|-----------------------|
| 16. OTHER INFORMATION |
|-----------------------|

HMIS Rating      HMIS Index: \* - chronic, 0 - minimal, 1 - slight, 2 - moderate, 3 - serious, 4 - severe

Health Hazards: 1

Flammability: 0

Physical Hazards: 0

Contacts:

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Sumitomo Shiba-Daimon Bldg. 3F  
2-5-5 Shiba Daimon, Minato-ku  
Tokyo 105-0012 JAPAN  
Tel: 81-3-6820-0255  
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Prepared by:                      Cabot Corporation - Safety, Health and Environmental Affairs  
Revision date:                      30-Jun-2015

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End of Safety Data Sheet