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## 1. IDENTIFICATION

**Product identifier**

**Product code** 8852  
**Product name** Super Opaque Black  
**Product category** 8800 Series SV Screen Ink

**Other means of identification**

**Synonyms** None

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

**Recommended use** Industrial Printing Operations

**Details of the supplier of the safety data sheet**

UNITED STATES	UNITED KINGDOM
Nazdar Company	Nazdar Limited
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Shawnee, KS 66227	Heaton Mersey
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Tel: +001-800-677-4657	Tel: +44 161 442 2111
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**Emergency telephone number**

USA: Chemtrec: +001-800-424-9300  
 Outside USA: Chemtrec: +001-703-527-3887  
 24 Hour Emergency Phone Number

## 2. HAZARDS IDENTIFICATION

**Classification**

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Carcinogenicity	Category 2 - (H351)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Aspiration hazard	Category 1 - (H304)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 3 - (H226)

**Label elements**



**Signal word**  
Danger

**Hazard statements**

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H351 - Suspected of causing cancer  
 H373 - May cause damage to organs through prolonged or repeated exposure  
 H412 - Harmful to aquatic life with long lasting effects

**Precautionary Statements**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P310 - Immediately call a POISON CENTER or doctor  
 P331 - Do NOT induce vomiting  
 P403 + P235 - Store in a well-ventilated place. Keep cool

**Hazards not otherwise classified (HNOC)**

Harmful to aquatic life.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical name	CAS No	Weight-%	Trade secret	Note
Solvent naphtha, petroleum, heavy aromatic	64742-94-5	10 - 30	*	
2-Butoxyethanol	111-76-2	10 - 30	*	
Butyrolactone	96-48-0	10 - 30	*	
Kaolin	1332-58-7	5 - 10	*	
Carbon black	1333-86-4	5 - 10	*	
Crystalline silica (cristobalite)	14464-46-1	1 - 5	*	
Blue Colorant	Not Available	1 - 5	*	
Naphthalene (constituent)	91-20-3	1 - 5	*	1
Ethylene glycol monopropyl ether	2807-30-9	1 - 5	*	
1,2,4-Trimethylbenzene (constituent)	95-63-6	0.1 - < 1	*	1
Ethyl benzene (constituent)	100-41-4	0.1 - < 1	*	1
Quartz, crystalline silica	14808-60-7	0.1 - < 1	*	

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

*Note*

1. Hazardous Constituent contained in Complex Substance(s) required for disclosure

### 4. FIRST-AID MEASURES

**Description of first aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

**Skin Contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention. Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

**Inhalation****Ingestion**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms and effects, both acute and delayed**

None under normal use conditions.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray. 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**

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Handling** Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products** Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

## Exposure limits

Chemical name	ACGIH TLV
2-Butoxyethanol 111-76-2	TWA: 20 ppm
Kaolin 1332-58-7	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable particulate matter
Crystalline silica (cristobalite) 14464-46-1	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter
Naphthalene (constituent) 91-20-3	TWA: 10 ppm Skin
1,2,4-Trimethylbenzene (constituent) 95-63-6	TWA: 10 ppm
Ethyl benzene (constituent) 100-41-4	TWA: 20 ppm
Quartz, crystalline silica 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter

Chemical name	OSHA PEL
2-Butoxyethanol 111-76-2	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> Skin
Kaolin 1332-58-7	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>
Crystalline silica (cristobalite) 14464-46-1	TWA: 50 µg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>
Ethyl benzene (constituent) 100-41-4	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>
Quartz, crystalline silica 14808-60-7	TWA: 50 µg/m <sup>3</sup>

Chemical name	OSHA PEL (vacated)
2-Butoxyethanol 111-76-2	TWA: 25 ppm TWA: 120 mg/m <sup>3</sup> Skin
Kaolin 1332-58-7	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>
Crystalline silica (cristobalite) 14464-46-1	TWA: 0.05 mg/m <sup>3</sup> respirable dust
Naphthalene (constituent) 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>
Ethyl benzene (constituent) 100-41-4	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
Quartz, crystalline silica 14808-60-7	TWA: 0.1 mg/m <sup>3</sup> respirable dust

Chemical name	Ontario TWA EV
2-Butoxyethanol 111-76-2	TWA: 20 ppm
Kaolin 1332-58-7	TWA: 2 mg/m <sup>3</sup> respirable particulate matter
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable particulate matter

Crystalline silica (cristobalite) 14464-46-1	TWA: 0.05 mg/m <sup>3</sup> respirable fraction
Naphthalene (constituent) 91-20-3	TWA: 10 ppm Skin
Ethylene glycol monopropyl ether 2807-30-9	TWA: 25 ppm TWA: 110 mg/m <sup>3</sup> Skin
Ethyl benzene (constituent) 100-41-4	TWA: 20 ppm
Quartz, crystalline silica 14808-60-7	TWA: 0.10 mg/m <sup>3</sup> respirable fraction

Chemical name	Mexico OEL (TWA)
2-Butoxyethanol 111-76-2	TWA/VLE-PPT: 20 ppm
Kaolin 1332-58-7	TWA/VLE-PPT: 2 mg/m <sup>3</sup> respirable fraction
Carbon black 1333-86-4	TWA/VLE-PPT: 3 mg/m <sup>3</sup> inhalable fraction
Crystalline silica (cristobalite) 14464-46-1	TWA/VLE-PPT: 0.025 mg/m <sup>3</sup> respirable fraction
Naphthalene (constituent) 91-20-3	TWA/VLE-PPT: 10 ppm STEL/PPT-CT: 15 ppm
Ethyl benzene (constituent) 100-41-4	TWA/VLE-PPT: 20 ppm
Quartz, crystalline silica 14808-60-7	TWA/VLE-PPT: 0.025 mg/m <sup>3</sup> respirable fraction

### Appropriate engineering controls

#### **Engineering Measures**

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

### Individual protection measures, such as personal protective equipment

#### **Eye/Face Protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur: Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### **Hand Protection**

Chemical resistant protective gloves.  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other  
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.  
Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as dimension, color, flexibility.

#### **Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Appearance</b>	Colored
<b>Odor</b>	Characteristic	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No data available
Melting Point / Freezing Point	No information available	No data available
Boiling Point / Boiling Range	> 149 °C / 300 °F	
Flash Point	49 °C / 120 °F	Pensky Martens Closed Cup (PMCC)
Evaporation rate		No data available
Flammability Limit in Air		
Upper flammability limit		No data available
Lower flammability limit		No data available
Vapor Pressure		No data available
Vapor Density		No data available
Specific Gravity	1.14	
Water Solubility		No data available
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition Temperature	No information available	No data available
Hyphen		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Explosive Properties	No data available	
Oxidizing Properties	No data available	

### Other information

Photochemically Reactive	Yes
Weight Per Gallon (lbs/gal)	9.48

VOC by weight % (less water)	VOC by volume % (less water)	VOC lbs/gal (less water)	VOC grams/liter (less water)
58.62	67.7	5.56	666.54

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

### Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

**Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

<b>11. TOXICOLOGICAL INFORMATION</b>
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**Information on likely routes of exposure**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

Chemical name	Oral LD50
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 5000 mg/kg ( Rat )
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )
Butyrolactone 96-48-0	= 1540 mg/kg ( Rat )
Kaolin 1332-58-7	> 5000 mg/kg ( Rat )
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )
Blue Colorant	> 5000 mg/kg ( Rat )
Naphthalene (constituent) 91-20-3	= 1110 mg/kg ( Rat )
Ethylene glycol monopropyl ether 2807-30-9	= 3089 mg/kg ( Rat )
1,2,4-Trimethylbenzene (constituent) 95-63-6	= 3280 mg/kg ( Rat )
Ethyl benzene (constituent) 100-41-4	= 3500 mg/kg ( Rat )

Chemical name	Dermal LD50
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 2000 mg/kg ( Rabbit )
2-Butoxyethanol 111-76-2	= 435 mg/kg ( Rabbit )
Butyrolactone 96-48-0	> 5640 mg/kg ( Rabbit )
Kaolin 1332-58-7	> 5000 mg/kg ( Rat )
Blue Colorant	> 2000 mg/kg ( Rat )
Naphthalene (constituent) 91-20-3	= 1120 mg/kg ( Rabbit )
Ethylene glycol monopropyl ether 2807-30-9	= 870 mg/kg ( Rabbit )
1,2,4-Trimethylbenzene (constituent) 95-63-6	> 3160 mg/kg ( Rabbit )
Ethyl benzene (constituent) 100-41-4	= 15400 mg/kg ( Rabbit )

Chemical name	Inhalation LC50
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 590 mg/m <sup>3</sup> ( Rat ) 4 h
2-Butoxyethanol 111-76-2	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h
Butyrolactone 96-48-0	> 5100 mg/m <sup>3</sup> ( Rat ) 4 h
Carbon black 1333-86-4	> 4.6 mg/m <sup>3</sup> ( Rat ) 4 h
Naphthalene (constituent)	> 0.4 mg/L ( Rat ) 4 h

91-20-3	
Ethylene glycol monopropyl ether 2807-30-9	= 1530 ppm ( Rat ) 7 h
1,2,4-Trimethylbenzene (constituent) 95-63-6	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Ethyl benzene (constituent) 100-41-4	= 17.4 mg/L ( Rat ) 4 h

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Specific test data for the substance or mixture is not available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Specific test data for the substance or mixture is not available. Causes skin irritation (pain, redness and swelling). (based on components).

**Eye damage/irritation** Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components).

**Irritation** Specific test data for the substance or mixture is not available.

**Corrosivity** Specific test data for the substance or mixture is not available.

**Sensitization** Specific test data for the substance or mixture is not available.

**Mutagenic Effects** Specific test data for the substance or mixture is not available.

**Carcinogenic effects** Specific test data for the substance or mixture is not available. Suspected of causing cancer. (based on components).

**Reproductive Effects** Specific test data for the substance or mixture is not available.

**STOT - single exposure** Specific test data for the substance or mixture is not available.

**STOT - repeated exposure** Specific test data for the substance or mixture is not available. May cause damage to organs through prolonged or repeated exposure. (based on components).

**Chronic Toxicity** Specific test data for the substance or mixture is not available.

**Aspiration hazard** Specific test data for the substance or mixture is not available. May be fatal if swallowed and enters airways. (based on components).

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH
2-Butoxyethanol 111-76-2	A3
Carbon black 1333-86-4	A3
Crystalline silica (cristobalite) 14464-46-1	A2
Naphthalene (constituent) 91-20-3	A3
Ethyl benzene (constituent) 100-41-4	A3
Quartz, crystalline silica 14808-60-7	A2

Chemical name	IARC
Carbon black 1333-86-4	Group 2B
Crystalline silica (cristobalite) 14464-46-1	Group 1
Naphthalene (constituent) 91-20-3	Group 2B
Ethyl benzene (constituent) 100-41-4	Group 2B
Quartz, crystalline silica 14808-60-7	Group 1

Chemical name	NTP
Crystalline silica (cristobalite) 14464-46-1	Known
Naphthalene (constituent) 91-20-3	Reasonably Anticipated



Quartz, crystalline silica 14808-60-7	Known
<b>Chemical name</b>	<b>OSHA</b>
Carbon black 1333-86-4	X
Crystalline silica (cristobalite) 14464-46-1	X
Naphthalene (constituent) 91-20-3	X
Ethyl benzene (constituent) 100-41-4	X
Quartz, crystalline silica 14808-60-7	X

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	3,821.70 mg/kg
<b>ATEmix (dermal)</b>	98,522.20 mg/kg
<b>ATEmix (inhalation-gas)</b>	99,999.00
<b>ATEmix (inhalation-dust/mist)</b>	7.13 mg/l
<b>ATEmix (inhalation-vapor)</b>	52.30 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Specific test data for the substance or mixture is not available. Harmful to aquatic life with long lasting effects. (based on components).

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants
Butyrolactone 96-48-0	96h EC50 Desmodesmus subspicatus: = 79 mg/L 72h EC50 Desmodesmus subspicatus: = 360 mg/L
Ethyl benzene (constituent) 100-41-4	72h EC50 Pseudokirchneriella subcapitata: = 4.6 mg/L 96h EC50 Pseudokirchneriella subcapitata: > 438 mg/L 72h EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L static 96h EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L static

Chemical name	Fish
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	96h LC50 Pimephales promelas: = 19 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 2.34 mg/L 96h LC50 Lepomis macrochirus: = 1740 mg/L (static) 96h LC50 Pimephales promelas: = 45 mg/L (flow-through) 96h LC50 Pimephales promelas: = 41 mg/L
2-Butoxyethanol 111-76-2	96h LC50 Lepomis macrochirus: = 1490 mg/L (static) 96h LC50 Lepomis macrochirus: = 2950 mg/L
Butyrolactone 96-48-0	96h LC50 Lepomis macrochirus: = 56 mg/L (static)
C.I. Pigment Blue 27 25869-00-5	96h LC50 Cyprinus carpio: > 100 mg/L (static)
Naphthalene (constituent) 91-20-3	96h LC50 Oncorhynchus mykiss: = 1.6 mg/L (flow-through) 96h LC50 Oncorhynchus mykiss: 0.91 - 2.82 mg/L (static) 96h LC50 Pimephales promelas: = 1.99 mg/L (static) 96h LC50 Lepomis macrochirus: = 31.0265 mg/L (static) 96h LC50 Pimephales promelas: 5.74 - 6.44 mg/L (flow-through)
Ethylene glycol monopropyl ether 2807-30-9	96h LC50 Pimephales promelas: > 5000 mg/L (static)

1,2,4-Trimethylbenzene (constituent) 95-63-6	96h LC50 Pimephales promelas: 7.19 - 8.28 mg/L (flow-through)
Ethyl benzene (constituent) 100-41-4	96h LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 4.2 mg/L (semi-static) 96h LC50 Pimephales promelas: 7.55 - 11 mg/L (flow-through) 96h LC50 Lepomis macrochirus: = 32 mg/L (static) 96h LC50 Pimephales promelas: 9.1 - 15.6 mg/L (static) 96h LC50 Poecilia reticulata: = 9.6 mg/L (static)

Chemical name	Crustacea
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	48h EC50 Daphnia magna: = 0.95 mg/L
2-Butoxyethanol 111-76-2	48h EC50 Daphnia magna: > 1000 mg/L
Butyrolactone 96-48-0	48h EC50 Daphnia magna Straus: > 500 mg/L
Naphthalene (constituent) 91-20-3	48h EC50 Daphnia magna: 1.09 - 3.4 mg/L Static 48h EC50 Daphnia magna: = 1.96 mg/L Flow through 48h LC50 Daphnia magna: = 2.16 mg/L
1,2,4-Trimethylbenzene (constituent) 95-63-6	48h EC50 Daphnia magna: = 6.14 mg/L
Ethyl benzene (constituent) 100-41-4	48h EC50 Daphnia magna: 1.8 - 2.4 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical name	Partition coefficient
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	2.9 - 6.1
2-Butoxyethanol 111-76-2	0.81
Butyrolactone 96-48-0	-0.566
Naphthalene (constituent) 91-20-3	3.6
1,2,4-Trimethylbenzene (constituent) 95-63-6	3.63
Ethyl benzene (constituent) 100-41-4	3.2

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Waste Disposal Methods**

Contain and dispose of waste according to local regulations.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**Note:**

This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

**DOT**

In the U.S. and Canada, this material may be reclassified as a combustible liquid and is not regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150 (f)] [per Transportation of Dangerous Goods Regulations/Clear Language Part 1.33].

**UN/ID no** UN1210  
**Proper Shipping Name** Printing Ink  
**Transport hazard class(es)** 3  
**Packing Group** III

**ICAO / IATA / IMDG / IMO**

**UN/ID no** UN1210  
**Proper Shipping Name** Printing Ink  
**Transport hazard class(es)** 3  
**Packing Group** III

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

All substances are listed as ACTIVE on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor).

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol	111-76-2	10 - 30	1.0
Naphthalene (constituent)	91-20-3	1 - 5	0.1
Ethylene glycol monopropyl ether	2807-30-9	1 - 5	1.0
Ethyl benzene (constituent)	100-41-4	0.1 - < 1	0.1

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical name	CAS No	Weight-%
Naphthalene (constituent)	91-20-3	1 - 5
Ethylene glycol monopropyl ether	2807-30-9	1 - 5
Xylenes (o-, m-, p- isomers)	1330-20-7	0.1 - < 1
Ethyl benzene (constituent)	100-41-4	0.1 - < 1

**US State Regulations**

Chemical name	Massachusetts
2-Butoxyethanol 111-76-2	X
Kaolin 1332-58-7	X
Carbon black 1333-86-4	X
Crystalline silica (cristobalite) 14464-46-1	X
Naphthalene (constituent) 91-20-3	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Ethyl benzene (constituent)	X

100-41-4	
Quartz, crystalline silica 14808-60-7	X

Chemical name	Minnesota Right To Know
2-Butoxyethanol 111-76-2	X
Kaolin 1332-58-7	X
Carbon black 1333-86-4	X
Crystalline silica (cristobalite) 14464-46-1	X
Blue Colorant	X
Naphthalene (constituent) 91-20-3	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Ethyl benzene (constituent) 100-41-4	X
Quartz, crystalline silica 14808-60-7	X

Chemical name	New Jersey
2-Butoxyethanol 111-76-2	X
Kaolin 1332-58-7	X
Carbon black 1333-86-4	X
Crystalline silica (cristobalite) 14464-46-1	X
Blue Colorant	X
Naphthalene (constituent) 91-20-3	X
Ethylene glycol monopropyl ether 2807-30-9	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Ethyl benzene (constituent) 100-41-4	X
Quartz, crystalline silica 14808-60-7	X

Chemical name	Pennsylvania
2-Butoxyethanol 111-76-2	X
Kaolin 1332-58-7	X
Carbon black 1333-86-4	X
Crystalline silica (cristobalite) 14464-46-1	X
Blue Colorant	X
Naphthalene (constituent) 91-20-3	X
Ethylene glycol monopropyl ether 2807-30-9	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Ethyl benzene (constituent)	X

100-41-4	
Quartz, crystalline silica 14808-60-7	X

**California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

Chemical name	California Proposition 65
Carbon black	Carcinogen
Naphthalene (constituent)	Carcinogen
Ethyl benzene (constituent)	Carcinogen

*This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product*

**Canada**

Chemical name	NPRI - National Pollutant Release Inventory
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants
2-Butoxyethanol 111-76-2	Part 1, Group A Substance Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants
Butyrolactone 96-48-0	Part 4 Substance - Criteria Air Contaminants
Blue Colorant	Part 1, Group A Substance
Naphthalene (constituent) 91-20-3	Part 1, Group A Substance Part 4 Substance - Criteria Air Contaminants
Ethylene glycol monopropyl ether 2807-30-9	Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants
1,2,4-Trimethylbenzene (constituent) 95-63-6	Part 1, Group A Substance Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants
Ethyl benzene (constituent) 100-41-4	Part 1, Group A Substance Part 4 Substance - Criteria Air Contaminants

**16. OTHER INFORMATION**

<b>HMIS</b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Personal Protection</b>
	3 *	2	0	X

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

- A1 - Known Human Carcinogen
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

- Group 1 - Carcinogenic to Humans
- Group 2A - Probably Carcinogenic to Humans
- Group 2B - Possibly Carcinogenic to Humans
- Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen  
Reasonably Anticipated to be a Human Carcinogen  
**OSHA: (Occupational Safety & Health Administration)**  
X - Present

**Revision Date** Jun-05-2023

**Pursuant to NOM-018-STPS-2015**

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**