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

**Product identifier**

**Product code** 51185  
**Product name** Gold  
**Product category** 5100 Series SV Screen Ink

**Other means of identification**

**Synonyms** None

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

**Recommended use** Printing operations

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

UNITED STATES	UNITED KINGDOM
Nazdar Company	Nazdar Limited
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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)
Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 1B - (H350)
Flammable liquids	Category 3 - (H226)

**Label elements**



**Signal Word**  
Danger

**Hazard Statements**

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H350 - May cause cancer

H226 - Flammable liquid and vapor

### Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

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

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

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

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

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P233 - Keep container tightly closed

P403 + P235 - Store in a well-ventilated place. Keep cool

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

### Hazards not otherwise classified (HNOC)

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Component	CAS-No	Weight %	Trade Secret	Note
Resin	Trade Secret	10 - 30	*	
Resin	Trade Secret	10 - 30	*	
1-Butanol	71-36-3	10 - 30	*	
Dipropylene glycol monomethyl ether	34590-94-8	5 - 10	*	
Mica	12001-26-2	5 - 10	*	
Ethylene glycol monopropyl ether	2807-30-9	5 - 10	*	
2-Butoxyethanol	111-76-2	5 - 10	*	
Titanium dioxide	13463-67-7	5 - 10	*	
Iron oxide	1309-37-1	1 - 5	*	
Aluminum powder (stabilized)	7429-90-5	1 - 5	*	
Silicon dioxide, amorphous	7631-86-9	1 - 5	*	
Formaldehyde	50-00-0	< 0.5	*	
Carbon black	1333-86-4	< 0.5	*	

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

## 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.

#### **Inhalation**

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

#### **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**

Component	ACGIH TLV
1-Butanol 71-36-3	TWA: 20 ppm
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm STEL: 150 ppm Skin
Mica	TWA: 3 mg/m <sup>3</sup> respirable particulate matter

12001-26-2 2-Butoxyethanol 111-76-2	TWA: 20 ppm
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>
Iron oxide 1309-37-1	TWA: 5 mg/m <sup>3</sup> respirable particulate matter
Aluminum powder (stabilized) 7429-90-5	TWA: 1 mg/m <sup>3</sup> respirable particulate matter
Formaldehyde 50-00-0	TWA: 0.1 ppm STEL: 0.3 ppm
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable particulate matter

Component	OSHA PEL
1-Butanol 71-36-3	TWA: 100 ppm TWA: 300 mg/m <sup>3</sup>
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm TWA: 600 mg/m <sup>3</sup> Skin
2-Butoxyethanol 111-76-2	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> Skin
Titanium dioxide 13463-67-7	TWA: 15 mg/m <sup>3</sup> total dust
Iron oxide 1309-37-1	TWA: 10 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Aluminum powder (stabilized) 7429-90-5	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Formaldehyde 50-00-0	TWA: 0.75 ppm STEL: 2 ppm
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>

Component	OSHA PEL (vacated)
1-Butanol 71-36-3	Ceiling: 50 ppm Ceiling: 150 mg/m <sup>3</sup> Skin
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm TWA: 600 mg/m <sup>3</sup> STEL: 150 ppm STEL: 900 mg/m <sup>3</sup> Skin
Mica 12001-26-2	TWA: 3 mg/m <sup>3</sup> respirable dust
2-Butoxyethanol 111-76-2	TWA: 25 ppm TWA: 120 mg/m <sup>3</sup> Skin
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup> total dust
Iron oxide 1309-37-1	TWA: 10 mg/m <sup>3</sup> fume and total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Aluminum powder (stabilized) 7429-90-5	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction
Silicon dioxide, amorphous 7631-86-9	TWA: 6 mg/m <sup>3</sup>
Formaldehyde 50-00-0	Ceiling: 5 ppm TWA: 3 ppm STEL: 10 ppm
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>

Component	Ontario TWAEV
1-Butanol 71-36-3	TWA: 20 ppm
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm STEL: 150 ppm

	Skin
Mica 12001-26-2	TWA: 3 mg/m <sup>3</sup> respirable
Ethylene glycol monopropyl ether 2807-30-9	TWA: 25 ppm TWA: 110 mg/m <sup>3</sup> Skin
2-Butoxyethanol 111-76-2	TWA: 20 ppm
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>
Iron oxide 1309-37-1	TWA: 5 mg/m <sup>3</sup> respirable
Aluminum powder (stabilized) 7429-90-5	TWA: 1 mg/m <sup>3</sup> respirable
Formaldehyde 50-00-0	STEL: 1 ppm Ceiling: 1.5 ppm
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable

Component	Mexico OEL (TWA)
1-Butanol 71-36-3	Ceiling: 50 ppm Ceiling: 150 mg/m <sup>3</sup>
Dipropylene glycol monomethyl ether 34590-94-8	TWA/VLE-PPT: 100 ppm TWA/VLE-PPT: 60 mg/m <sup>3</sup> STEL/PPT-CT: 150 ppm STEL/PPT-CT: 900 mg/m <sup>3</sup>
Mica 12001-26-2	TWA/VLE-PPT: 3 mg/m <sup>3</sup> respirable fraction
2-Butoxyethanol 111-76-2	TWA/VLE-PPT: 26 ppm TWA/VLE-PPT: 120 mg/m <sup>3</sup> STEL/PPT-CT: 75 ppm STEL/PPT-CT: 360 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	TWA/VLE-PPT: 10 mg/m <sup>3</sup> STEL/PPT-CT: 20 mg/m <sup>3</sup>
Iron oxide 1309-37-1	TWA/VLE-PPT: 5 mg/m <sup>3</sup> STEL/PPT-CT: 10 mg/m <sup>3</sup>
Aluminum powder (stabilized) 7429-90-5	TWA/VLE-PPT: 10 mg/m <sup>3</sup> dust
Formaldehyde 50-00-0	Ceiling: 2 ppm Ceiling: 3 mg/m <sup>3</sup>
Carbon black 1333-86-4	TWA/VLE-PPT: 3.5 mg/m <sup>3</sup> STEL/PPT-CT: 7 mg/m <sup>3</sup>

### 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 Liquid
<b>Odor</b>	Characteristic	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH		No data available	
Melting Point / Freezing Point		No data available	
Boiling Point / Boiling Range	> 149 °C / 300 °F		
Flash Point	39 °C / 102 °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	1.16		
Water Solubility		No data available	
Solubility in other solvents		No data available	
Partition coefficient: n-octanol/water		No data available	
Autoignition Temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	
<b>Explosive Properties</b>	No data available		
<b>Oxidizing Properties</b>	No data available		

**Other Information**

Photochemically Reactive	No
Weight Per Gallon (lbs/gal)	9.66

VOC by weight % (less water)	VOC by volume % (less water)	VOC lbs/gal (less water)	VOC grams/liter (less water)
39.03	44.78	3.77	452.17

## 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.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Inhalation**

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

**Eye Contact**

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

**Skin Contact**

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

**Ingestion**

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

Component	Oral LD50
1-Butanol 71-36-3	= 700 mg/kg ( Rat )
Dipropylene glycol monomethyl ether 34590-94-8	= 5.35 g/kg ( Rat )
Ethylene glycol monopropyl ether 2807-30-9	= 3089 mg/kg ( Rat )
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )
Iron oxide 1309-37-1	> 10000 mg/kg ( Rat )
Silicon dioxide, amorphous 7631-86-9	= 7900 mg/kg ( Rat )
Formaldehyde 50-00-0	= 100 mg/kg ( Rat )
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )

Component	Dermal LD50
1-Butanol 71-36-3	= 3402 mg/kg ( Rabbit )
Dipropylene glycol monomethyl ether 34590-94-8	= 9500 mg/kg ( Rabbit )
Ethylene glycol monopropyl ether 2807-30-9	= 870 mg/kg ( Rabbit )
2-Butoxyethanol 111-76-2	= 435 mg/kg ( Rabbit )
Silicon dioxide, amorphous 7631-86-9	> 2000 mg/kg ( Rabbit )
Formaldehyde 50-00-0	= 270 mg/kg ( Rabbit )

Component	Inhalation LC50
1-Butanol 71-36-3	> 8000 ppm ( Rat ) 4 h
Ethylene glycol monopropyl ether 2807-30-9	= 1530 ppm ( Rat ) 7 h
2-Butoxyethanol 111-76-2	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h
Silicon dioxide, amorphous 7631-86-9	> 2.2 mg/L ( Rat ) 1 h
Formaldehyde 50-00-0	= 0.578 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**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. May cause an allergic skin reaction. (based on components).

**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. May cause 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.

**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.

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

Component	ACGIH
2-Butoxyethanol 111-76-2	A3
Formaldehyde 50-00-0	A1
Carbon black 1333-86-4	A3

Component	IARC
Titanium dioxide 13463-67-7	Group 2B
Formaldehyde 50-00-0	Group 1
Carbon black 1333-86-4	Group 2B

Component	NTP
Formaldehyde 50-00-0	Known

Component	OSHA
Titanium dioxide 13463-67-7	X
Formaldehyde 50-00-0	X
Carbon black 1333-86-4	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>	2,520.00 mg/kg
<b>ATEmix (dermal)</b>	7,554.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	20.20 mg/l
<b>ATEmix (inhalation-vapor)</b>	145.00 mg/l



## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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

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

Component	Algae/aquatic plants
1-Butanol 71-36-3	96h EC50 <i>Desmodesmus subspicatus</i> : > 500 mg/L 72h EC50 <i>Desmodesmus subspicatus</i> : > 500 mg/L
Silicon dioxide, amorphous 7631-86-9	72h EC50 <i>Pseudokirchneriella subcapitata</i> : = 440 mg/L

Component	Fish
1-Butanol 71-36-3	96h LC50 <i>Pimephales promelas</i> : 1730 - 1910 mg/L (static) 96h LC50 <i>Pimephales promelas</i> : = 1740 mg/L (flow-through) 96h LC50 <i>Lepomis macrochirus</i> : 100000 - 500000 µg/L (static) 96h LC50 <i>Pimephales promelas</i> : = 1910000 µg/L (static)
Dipropylene glycol monomethyl ether 34590-94-8	96h LC50 <i>Pimephales promelas</i> : > 10000 mg/L (static)
2-Butoxyethanol 111-76-2	96h LC50 <i>Lepomis macrochirus</i> : = 2950 mg/L 96h LC50 <i>Lepomis macrochirus</i> : = 1490 mg/L (static)
Silicon dioxide, amorphous 7631-86-9	96h LC50 <i>Brachydanio rerio</i> : = 5000 mg/L (static)
Formaldehyde 50-00-0	96h LC50 <i>Oncorhynchus mykiss</i> : 0.032 - 0.226 mL/L (flow-through) 96h LC50 <i>Lepomis macrochirus</i> : = 1510 µg/L (static) 96h LC50 <i>Brachydanio rerio</i> : = 41 mg/L (static) 96h LC50 <i>Pimephales promelas</i> : 22.6 - 25.7 mg/L (flow-through) 96h LC50 <i>Pimephales promelas</i> : 23.2 - 29.7 mg/L (static) 96h LC50 <i>Oncorhynchus mykiss</i> : 100 - 136 mg/L (static)

Component	Crustacea
1-Butanol 71-36-3	48h EC50 <i>Daphnia magna</i> : 1897 - 2072 mg/L Static 48h EC50 <i>Daphnia magna</i> : = 1983 mg/L
Dipropylene glycol monomethyl ether 34590-94-8	48h LC50 <i>Daphnia magna</i> : = 1919 mg/L
2-Butoxyethanol 111-76-2	48h EC50 <i>Daphnia magna</i> : > 1000 mg/L
Silicon dioxide, amorphous 7631-86-9	48h EC50 <i>Ceriodaphnia dubia</i> : = 7600 mg/L
Formaldehyde 50-00-0	48h LC50 <i>Daphnia magna</i> : = 2 mg/L 48h EC50 <i>Daphnia magna</i> : 11.3 - 18 mg/L Static

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available

Component	Partition coefficient
1-Butanol 71-36-3	0.785
Dipropylene glycol monomethyl ether 34590-94-8	-0.064
2-Butoxyethanol 111-76-2	0.81
Formaldehyde 50-00-0	0.35

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Waste Disposal Methods</b>	Contain and dispose of waste according to local regulations.
<b>Contaminated Packaging</b>	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].

<b>UN/ID no.</b>	UN1210
<b>Proper Shipping Name</b>	Printing Ink
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

#### **ICAO / IATA / IMDG / IMO**

<b>UN/ID no.</b>	UN1210
<b>Proper Shipping Name</b>	Printing Ink
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

#### 15. REGULATORY INFORMATION

##### **International Inventories**

All components are listed 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.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
1-Butanol	71-36-3	10 - 30	1.0
Ethylene glycol monopropyl ether	2807-30-9	5 - 10	1.0
2-Butoxyethanol	111-76-2	5 - 10	1.0
Aluminum powder (stabilized)	7429-90-5	1 - 5	1.0
Formaldehyde	50-00-0	< 0.5	0.1

*Aluminum is reportable under SARA313 ONLY if it is a fume or dust form. Fume or dust refers to dry forms but does not refer to "wet" forms such as use in a solution or slurry.*

##### **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:.

Component	CAS-No	Weight %
Ethylene glycol monopropyl ether	2807-30-9	5 - 10
Formaldehyde	50-00-0	< 0.5

**U.S. State Regulations**

<b>Component</b>	<b>Massachusetts Right To Know</b>
1-Butanol 71-36-3	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Mica 12001-26-2	X
2-Butoxyethanol 111-76-2	X
Titanium dioxide 13463-67-7	X
Iron oxide 1309-37-1	X
Aluminum powder (stabilized) 7429-90-5	X
Silicon dioxide, amorphous 7631-86-9	X
Formaldehyde 50-00-0	X
Carbon black 1333-86-4	X

<b>Component</b>	<b>Minnesota Right To Know</b>
1-Butanol 71-36-3	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Mica 12001-26-2	X
2-Butoxyethanol 111-76-2	X
Titanium dioxide 13463-67-7	X
Iron oxide 1309-37-1	X
Aluminum powder (stabilized) 7429-90-5	X
Silicon dioxide, amorphous 7631-86-9	X
Formaldehyde 50-00-0	X
Carbon black 1333-86-4	X

<b>Component</b>	<b>New Jersey Right To Know</b>
1-Butanol 71-36-3	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Mica 12001-26-2	X
Ethylene glycol monopropyl ether 2807-30-9	X
2-Butoxyethanol 111-76-2	X
Titanium dioxide 13463-67-7	X
Iron oxide 1309-37-1	X
Aluminum powder (stabilized) 7429-90-5	X
Formaldehyde	X

50-00-0	
Carbon black 1333-86-4	X

Component	Pennsylvania Right To Know
1-Butanol 71-36-3	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Mica 12001-26-2	X
Ethylene glycol monopropyl ether 2807-30-9	X
2-Butoxyethanol 111-76-2	X
Titanium dioxide 13463-67-7	X
Iron oxide 1309-37-1	X
Aluminum powder (stabilized) 7429-90-5	X
Silicon dioxide, amorphous 7631-86-9	X
Formaldehyde 50-00-0	X
Carbon black 1333-86-4	X

**California Prop. 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

Component	California Prop. 65
Titanium dioxide	Carcinogen
Formaldehyde	Carcinogen
Carbon black	Carcinogen

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

**Canada**

Component	NPRI - National Pollutant Release Inventory
1-Butanol 71-36-3	Part 1, Group A Substance; Part 4 Substance
Dipropylene glycol monomethyl ether 34590-94-8	Part 5, Other Groups and Mixtures; Part 4 Substance
Ethylene glycol monopropyl ether 2807-30-9	Part 5, Other Groups and Mixtures; Part 4 Substance
2-Butoxyethanol 111-76-2	Part 5, Individual Substances; Part 4 Substance
Aluminum powder (stabilized) 7429-90-5	Part 1, Group A Substance
Formaldehyde 50-00-0	Part 5, Individual Substances; Part 4 Substance

**16. OTHER INFORMATION**

<b>HMIS:</b>	<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Personal Protection</b>
	2 *	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  
Ceiling

STEL (Short Term Exposure Limit)  
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

**NTP: (National Toxicity Program)**

Known - Known Carcinogen  
Reasonably Anticipated to be a Human Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Revision Date** May-15-2019

**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**