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2

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

**Product identifier**

**Product code** 1-S Series  
**Product name** Back-up Silver  
**Product category** Gold leaf Back-up Enamel 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  
Gilders Specialty Products  
60480 Christy Lane  
Angie, La 70426  
Tel: +001-707-694-7776  
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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 sensitization	Category 1A - (H317)
Aspiration toxicity	Category 1 - (H304)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 3 - (H226)

**Label elements**



**Signal Word**

Danger

**Hazard Statements**

H304 - May be fatal if swallowed and enters airways  
H317 - May cause an allergic skin reaction  
H412 - Harmful to aquatic life with long lasting effects  
H226 - Flammable liquid and vapor

**Precautionary Statements**

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

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

P273 - Avoid release to the environment

P331 - Do NOT induce vomiting

P233 - Keep container tightly closed

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

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)**

Causes mild skin irritation. Harmful to aquatic life.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Mixture**

Component	CAS-No	Weight %	Trade Secret	Note
Petroleum distillates, hydrotreated light	64742-47-8	10 - 30	*	
Solvent naphtha, petroleum, heavy aromatic	64742-94-5	10 - 30	*	
Talc	14807-96-6	5 - 10	*	
Carbon black	1333-86-4	5 - 10	*	
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 5	*	
1,2,4-Trimethylbenzene (constituent)	95-63-6	1 - 5	*	1
Naphthalene (constituent)	91-20-3	< 1	*	1
2-Butanone, oxime	96-29-7	< 1	*	
1,3,5-Trimethylbenzene (constituent)	108-67-8	< 0.5	*	1
Cobalt Compounds	Trade Secret	< 0.5	*	
Cumene (constituent)	98-82-8	< 0.5	*	1
Ethyl benzene (constituent)	100-41-4	< 0.5	*	1

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

Note 1. Type of chemical: Constituent

**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**

<b>Component</b>	<b>ACGIH TLV</b>
Talc 14807-96-6	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
Naphthalene (constituent) 91-20-3	TWA: 10 ppm Skin
Cumene (constituent) 98-82-8	TWA: 50 ppm
Ethyl benzene (constituent) 100-41-4	TWA: 20 ppm

Component	OSHA PEL
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> Skin
Ethyl benzene (constituent) 100-41-4	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>

Component	OSHA PEL (vacated)
Talc 14807-96-6	TWA: 2 mg/m <sup>3</sup> respirable dust
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>
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>
Cumene (constituent) 98-82-8	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> Skin
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>

Component	Ontario TWAEV
Talc 14807-96-6	TWA: 2 mg/m <sup>3</sup> respirable
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable
Naphthalene (constituent) 91-20-3	TWA: 10 ppm Skin
Cumene (constituent) 98-82-8	TWA: 50 ppm
Ethyl benzene (constituent) 100-41-4	TWA: 20 ppm

Component	Mexico OEL (TWA)
Talc 14807-96-6	TWA/VLE-PPT: 2 mg/m <sup>3</sup> respirable fraction
Carbon black 1333-86-4	TWA/VLE-PPT: 3.5 mg/m <sup>3</sup> STEL/PPT-CT: 7 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA/VLE-PPT: 10 ppm TWA/VLE-PPT: 50 mg/m <sup>3</sup> STEL/PPT-CT: 15 ppm STEL/PPT-CT: 75 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA/VLE-PPT: 50 ppm TWA/VLE-PPT: 245 mg/m <sup>3</sup> STEL/PPT-CT: 75 ppm STEL/PPT-CT: 365 mg/m <sup>3</sup>
Ethyl benzene (constituent) 100-41-4	TWA/VLE-PPT: 100 ppm TWA/VLE-PPT: 435 mg/m <sup>3</sup> STEL/PPT-CT: 125 ppm STEL/PPT-CT: 545 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

<b>Eye/Face Protection</b>	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.
<b>Skin Protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
<b>Respiratory Protection</b>	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.
<b>General Hygiene Considerations</b>	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	43 °C / 110 °F	Setaflash closed cup	
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	1.02		
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	Yes
Weight Per Gallon (lbs/gal)	8.47

VOC by weight % (less water)	VOC by volume % (less water)	VOC lbs/gal (less water)	VOC grams/liter (less water)
41.73	45.85	3.54	423.99

## 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
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 5000 mg/kg ( Rat )
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg ( Rat )
1,2,4-Trimethylbenzene (constituent) 95-63-6	= 3280 mg/kg ( Rat )
Naphthalene (constituent) 91-20-3	= 1110 mg/kg ( Rat )
2-Butanone, oxime 96-29-7	= 930 mg/kg ( Rat )
Cumene (constituent) 98-82-8	= 1400 mg/kg ( Rat )
Ethyl benzene (constituent) 100-41-4	= 3500 mg/kg ( Rat )

Component	Dermal LD50
Petroleum distillates, hydrotreated light 64742-47-8	> 2000 mg/kg ( Rabbit )
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 2 mL/kg ( Rabbit )
Solvent naphtha, petroleum, light aromatic 64742-95-6	> 2000 mg/kg ( Rabbit )
1,2,4-Trimethylbenzene (constituent) 95-63-6	> 3160 mg/kg ( Rabbit )
Naphthalene (constituent) 91-20-3	= 1120 mg/kg ( Rabbit )
2-Butanone, oxime 96-29-7	1000 - 1800 mg/kg ( Rabbit )
Cobalt Compounds	> 5000 mg/kg ( Rabbit )
Cumene (constituent) 98-82-8	= 12300 µL/kg ( Rabbit )
Ethyl benzene (constituent) 100-41-4	= 15400 mg/kg ( Rabbit )

Component	Inhalation LC50
Petroleum distillates, hydrotreated light 64742-47-8	> 5.2 mg/L ( Rat ) 4 h
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 590 mg/m <sup>3</sup> ( Rat ) 4 h

Solvent naphtha, petroleum, light aromatic 64742-95-6	= 3400 ppm ( Rat ) 4 h
1,2,4-Trimethylbenzene (constituent) 95-63-6	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Naphthalene (constituent) 91-20-3	> 340 mg/m <sup>3</sup> ( Rat ) 1 h
2-Butanone, oxime 96-29-7	> 4800 mg/m <sup>3</sup> ( Rat ) 4 h
1,3,5-Trimethylbenzene (constituent) 108-67-8	= 24 g/m <sup>3</sup> ( Rat ) 4 h
Cobalt Compounds	> 10 mg/L ( Rat ) 1 h
Cumene (constituent) 98-82-8	> 3577 ppm ( Rat ) 6 h
Ethyl benzene (constituent) 100-41-4	= 17.4 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.  
**Eye damage/irritation** Specific test data for the substance or mixture is not available.  
**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.  
**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. 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.

Component	ACGIH
Carbon black 1333-86-4	A3
Naphthalene (constituent) 91-20-3	A3
Ethyl benzene (constituent) 100-41-4	A3

Component	IARC
Carbon black 1333-86-4	Group 2B
Naphthalene (constituent) 91-20-3	Group 2B
Cobalt Compounds	Group 2B
Cumene (constituent) 98-82-8	Group 2B
Ethyl benzene (constituent) 100-41-4	Group 2B

Component	NTP
Naphthalene (constituent) 91-20-3	Reasonably Anticipated
Cumene (constituent) 98-82-8	Reasonably Anticipated

Component	OSHA
Carbon black	X

1333-86-4	
Naphthalene (constituent) 91-20-3	X
Cobalt Compounds	X
Cumene (constituent) 98-82-8	X
Ethyl benzene (constituent) 100-41-4	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 mg/kg

**ATEmix (inhalation-dust/mist)** 119.00 mg/l  
**ATEmix (inhalation-vapor)** 873.00

## 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).

0.65 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Algae/aquatic plants
2-Butanone, oxime 96-29-7	72h EC50 <i>Desmodesmus subspicatus</i> : = 83 mg/L
Cumene (constituent) 98-82-8	72h EC50 <i>Pseudokirchneriella subcapitata</i> : = 2.6 mg/L
Ethyl benzene (constituent) 100-41-4	96h EC50 <i>Pseudokirchneriella subcapitata</i> : > 438 mg/L 96h EC50 <i>Pseudokirchneriella subcapitata</i> : 1.7 - 7.6 mg/L static 72h EC50 <i>Pseudokirchneriella subcapitata</i> : = 4.6 mg/L 72h EC50 <i>Pseudokirchneriella subcapitata</i> : 2.6 - 11.3 mg/L static

Component	Fish
Petroleum distillates, hydrotreated light 64742-47-8	96h LC50 <i>Lepomis macrochirus</i> : = 2.2 mg/L (static) 96h LC50 <i>Pimephales promelas</i> : = 45 mg/L (flow-through) 96h LC50 <i>Oncorhynchus mykiss</i> : = 2.4 mg/L (static)
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	96h LC50 <i>Pimephales promelas</i> : = 19 mg/L (static) 96h LC50 <i>Oncorhynchus mykiss</i> : = 2.34 mg/L 96h LC50 <i>Lepomis macrochirus</i> : = 1740 mg/L (static) 96h LC50 <i>Pimephales promelas</i> : = 45 mg/L (flow-through) 96h LC50 <i>Pimephales promelas</i> : = 41 mg/L
Talc 14807-96-6	96h LC50 <i>Brachydanio rerio</i> : > 100 g/L (semi-static)
Solvent naphtha, petroleum, light aromatic 64742-95-6	96h LC50 <i>Oncorhynchus mykiss</i> : = 9.22 mg/L
1,2,4-Trimethylbenzene (constituent) 95-63-6	96h LC50 <i>Pimephales promelas</i> : 7.19 - 8.28 mg/L (flow-through)
Naphthalene (constituent) 91-20-3	96h LC50 <i>Pimephales promelas</i> : 5.74 - 6.44 mg/L (flow-through) 96h LC50 <i>Pimephales promelas</i> : = 1.99 mg/L (static) 96h LC50 <i>Lepomis macrochirus</i> : = 31.0265 mg/L (static) 96h LC50 <i>Oncorhynchus mykiss</i> : = 1.6 mg/L (flow-through) 96h LC50 <i>Oncorhynchus mykiss</i> : 0.91 - 2.82 mg/L (static)
2-Butanone, oxime 96-29-7	96h LC50 <i>Pimephales promelas</i> : 777 - 914 mg/L (flow-through) 96h LC50 <i>Poecilia reticulata</i> : = 760 mg/L (static)
1,3,5-Trimethylbenzene (constituent) 108-67-8	96h LC50 <i>Pimephales promelas</i> : = 3.48 mg/L
Cumene (constituent) 98-82-8	96h LC50 <i>Oncorhynchus mykiss</i> : = 4.8 mg/L (flow-through) 96h LC50 <i>Poecilia reticulata</i> : = 5.1 mg/L (semi-static) 96h LC50 <i>Pimephales promelas</i> : 6.04 - 6.61 mg/L (flow-through) 96h LC50 <i>Oncorhynchus mykiss</i> : = 2.7 mg/L (semi-static)



Ethyl benzene (constituent) 100-41-4	96h LC50 Pimephales promelas: 7.55 - 11 mg/L (flow-through) 96h LC50 Poecilia reticulata: = 9.6 mg/L (static) 96h LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L (static) 96h LC50 Pimephales promelas: 9.1 - 15.6 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 4.2 mg/L (semi-static) 96h LC50 Lepomis macrochirus: = 32 mg/L (static)
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Component	Crustacea
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	48h EC50 Daphnia magna: = 0.95 mg/L
Solvent naphtha, petroleum, light aromatic 64742-95-6	48h EC50 Daphnia magna: = 6.14 mg/L
1,2,4-Trimethylbenzene (constituent) 95-63-6	48h EC50 Daphnia magna: = 6.14 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
2-Butanone, oxime 96-29-7	48h EC50 Daphnia magna: = 750 mg/L
Cumene (constituent) 98-82-8	48h EC50 Daphnia magna: 7.9 - 14.1 mg/L Static 48h EC50 Daphnia magna: = 0.6 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**

No information available

Component	Partition coefficient
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	2.9 - 6.1
1,2,4-Trimethylbenzene (constituent) 95-63-6	3.63
Naphthalene (constituent) 91-20-3	3.6
2-Butanone, oxime 96-29-7	0.65
Cumene (constituent) 98-82-8	3.7
Ethyl benzene (constituent) 100-41-4	3.2

**Other adverse effects**

No information available

### 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.

<b>DOT</b>	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

<b>ICAO / IATA / IMDG / IMO</b>	
<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
1,2,4-Trimethylbenzene (constituent)	95-63-6	1 - 5	1.0
Naphthalene (constituent)	91-20-3	< 1	0.1
Ethyl benzene (constituent)	100-41-4	< 0.5	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:.

Component	CAS-No	Weight %
Naphthalene (constituent)	91-20-3	< 1
Xylenes (o-, m-, p- isomers) (constituent)	1330-20-7	< 1
Cobalt Compounds	Trade Secret	< 0.5
Cumene (constituent)	98-82-8	< 0.5
Ethyl benzene (constituent)	100-41-4	< 0.5

### U.S. State Regulations

Component	Massachusetts Right To Know
Talc 14807-96-6	X
Carbon black 1333-86-4	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
1,3,5-Trimethylbenzene (constituent) 108-67-8	X
Cumene (constituent) 98-82-8	X
Ethyl benzene (constituent) 100-41-4	X

Component	Minnesota Right To Know
Talc 14807-96-6	X
Carbon black 1333-86-4	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
2-Butanone, oxime 96-29-7	X
Cumene (constituent) 98-82-8	X
Ethyl benzene (constituent) 100-41-4	X

Component	New Jersey Right To Know
Talc 14807-96-6	X
Carbon black 1333-86-4	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Cobalt Compounds	X
Cumene (constituent) 98-82-8	X
Ethyl benzene (constituent) 100-41-4	X

Component	Pennsylvania Right To Know
Talc 14807-96-6	X
Carbon black 1333-86-4	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Cobalt Compounds	X
Cumene (constituent) 98-82-8	X
Ethyl benzene (constituent) 100-41-4	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
Carbon black	Carcinogen
Naphthalene (constituent)	Carcinogen
Cumene (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**

Component	NPRI - National Pollutant Release Inventory
Petroleum distillates, hydrotreated light 64742-47-8	Part 5, Other Groups and Mixtures

Solvent naphtha, petroleum, heavy aromatic 64742-94-5	Part 5, Other Groups and Mixtures; Part 4 Substance
Solvent naphtha, petroleum, light aromatic 64742-95-6	Part 5, Other Groups and Mixtures
1,2,4-Trimethylbenzene (constituent) 95-63-6	Part 5, Individual Substances; Part 4 Substance
Naphthalene (constituent) 91-20-3	Part 1, Group A Substance; Part 4 Substance
1,3,5-Trimethylbenzene (constituent) 108-67-8	Part 5, Isomer Groups; Part 4 Substance
Cobalt Compounds	Part 1, Group B Substance
Cumene (constituent) 98-82-8	Part 1, Group A Substance; Part 4 Substance
Ethyl benzene (constituent) 100-41-4	Part 1, Group A Substance; Part 4 Substance

**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.

<b>16. OTHER INFORMATION</b>
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<b>HMIS:</b>	<b>Health</b> 2 *	<b>Flammability</b> 2	<b>Reactivity</b> 0	<b>Personal Protection</b> X
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**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

**NTP: (National Toxicity Program)**

Known - Known Carcinogen  
Reasonably Anticipated to be a Human Carcinogen

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

X - Present

**Revision Date** March 19-2019

**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**