

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s)** TSK247703

**Product name** Solv Jet

**Pure substance/mixture** Mixture  
Contains Methyl alcohol, Butyrolactone

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** ink

**Uses advised against** No information available

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

#### Company Name

Kao Collins Inc.  
1201 Edison Drive  
Cincinnati, OH 45216  
PH: 513-948-9000  
Info@kaocollins.com  
For further information, please contact

### 1.4. Emergency telephone number

**Emergency telephone number** Chemtrec 1-800-424-9300

**Emergency Telephone** International Chemtrec: +1 703-527-3887

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 3 - (H301)
Acute toxicity - Dermal	Category 3 - (H311)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 1 - (H370)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable Liquids	Category 2 - (H225)

### 2.2. Label elements

#### Product identifier

Contains Methyl alcohol, Butyrolactone



**Signal word**

Danger

**Hazard statements**

H301 - Toxic if swallowed  
 H311 - Toxic in contact with skin  
 H318 - Causes serious eye damage  
 H332 - Harmful if inhaled  
 H370 - Causes damage to organs  
 H411 - Toxic to aquatic life with long lasting effects  
 H225 - Highly flammable liquid and vapor

**Precautionary Statements - EU (§28, 1272/2008)**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P273 - Avoid release to the environment  
 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  
 P321 - Specific treatment (see supplemental first aid instructions on this label)  
 P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish  
 P391 - Collect spillage  
 P403 + P235 - Store in a well-ventilated place. Keep cool

**2.3. Other hazards**

Toxic to aquatic life.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical Name	EC No	CAS-No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No
Ethyl alcohol	EEC No. Present	64-17-5	25 - 50	Flam. Liq. 2 (H225)	No data available
Methyl alcohol	EEC No. Present	67-56-1	35 - 60	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	No data available
Black Dye	-	NOT AVAILABLE	1 - 10	Aquatic Chronic 3 (H412)	No data available
Ester	Listed	-	1 - 5	Acute Tox. 4 (H302) Eye Dam. 1 (H318) STOT SE 3 (H336)	No data available
Ketone	Listed	-	1 - 5	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)	No data available
Isopropyl alcohol	EEC No. Present	67-63-0	1 - 5	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	No data available
Naphthalene	EEC No. Present	91-20-3	0.1 - <1	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
2-Naphthol	EEC No. Present	135-19-3	0.1 - <1	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Acute 1 (H400)	No data available

**Full text of H- and EUH-phrases: see section 16**

**NOTE**

Remaining components are either not hazardous or below threshold limits.

**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures**

<b>General advice</b>	Immediate medical attention is required. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If symptoms persist, call a physician.
<b>Inhalation</b>	Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Eye contact</b>	Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician or poison control center immediately. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Call a physician.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Use personal protective equipment as required.

**4.2. Most important symptoms and effects, both acute and delayed****4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**Section 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media**

Use. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray, fog or alcohol-resistant foam.

**Unsuitable extinguishing media**

No information available

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up**

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

**6.4. Reference to other sections**

See section 7 for more information.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Handling**

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

**Hygiene Measures**

When using do not eat or drink. Regular cleaning of equipment, work area and clothing is recommended.

**7.2. Conditions for safe storage, including any incompatibilities****Storage**

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

**7.3. Specific end use(s)****Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Ethyl alcohol 64-17-5		TWA: 1000 ppm TWA: 1920 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9500 mg/m <sup>3</sup>	VLA-ED: 1000 ppm VLA-ED; 1910 mg/m <sup>3</sup> VLA-ED	TWA: 500 ppm TWA: 960 mg/m <sup>3</sup>
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	STEL: 250 ppm STEL: 333 mg/m <sup>3</sup> TWA: 200 ppm TWA: 266 mg/m <sup>3</sup> Skin	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1300 mg/m <sup>3</sup>	S* VLA-ED: 200 ppm VLA-ED; 266 mg/m <sup>3</sup> VLA-ED	TWA: 200 ppm TWA: 270 mg/m <sup>3</sup> H*
Ketone		STEL: 1500 ppm STEL: 3620 mg/m <sup>3</sup> TWA: 1210 mg/m <sup>3</sup> TWA: 500 ppm	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2420 mg/m <sup>3</sup>	VLA-ED: 500 ppm VLA-ED; 1210 mg/m <sup>3</sup> VLA-ED	TWA: 500 ppm TWA: 1200 mg/m <sup>3</sup>
Isopropyl alcohol		STEL: 1250 mg/m <sup>3</sup>	STEL: 400 ppm	VLA-EC: 500 ppm	TWA: 200 ppm

67-63-0		STEL: 500 ppm TWA: 400 ppm TWA: 999 mg/m <sup>3</sup>	STEL: 980 mg/m <sup>3</sup>	VLA-EC; 1250 mg/m <sup>3</sup> VLA-EC VLA-ED: 400 ppm VLA-ED; 998 mg/m <sup>3</sup> VLA-ED	TWA: 500 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Italy</b>	<b>Portugal</b>	<b>Netherlands</b>	<b>Finland</b>	<b>Denmark</b>
Ethyl alcohol 64-17-5		TWA: 1000 ppm	MAC: 500 ppm MAC; 1000 mg/m <sup>3</sup> MAC	TWA: 1900 mg/m <sup>3</sup> TWA: 1000 ppm STEL: 2500 mg/m <sup>3</sup> STEL: 1300 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Methyl alcohol 67-56-1		STEL: 250 ppm TWA: 200 ppm	Skin STEL: 400 ppm STEL; 520 mg/m <sup>3</sup> STEL MAC: 200 ppm MAC; 260 mg/m <sup>3</sup> MAC	TWA: 270 mg/m <sup>3</sup> TWA: 200 ppm STEL: 250 ppm STEL: 330 mg/m <sup>3</sup> Skin	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> Skin
Ketone	TWA: 1210 mg/m <sup>3</sup> TWA: 500 ppm	STEL: 750 ppm TWA: 500 ppm	STEL: 1004 ppm STEL; 2420 mg/m <sup>3</sup> STEL MAC: 502 ppm MAC; 1210 mg/m <sup>3</sup> MAC	TWA: 1200 mg/m <sup>3</sup> TWA: 500 ppm STEL: 630 ppm STEL: 1500 mg/m <sup>3</sup>	TWA: 250 ppm TWA: 600 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0		STEL: 500 ppm STEL: 400 ppm TWA: 200 ppm	MAC: 250 ppm MAC; 650 mg/m <sup>3</sup> MAC	TWA: 500 mg/m <sup>3</sup> TWA: 200 ppm STEL: 620 mg/m <sup>3</sup> STEL: 250 ppm	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
Ethyl alcohol 64-17-5	STEL 2000 ppm STEL; 3800 mg/m <sup>3</sup> STEL MAK: 1000 ppm MAK; 1900 mg/m <sup>3</sup> MAK	STEL: 1000 ppm STEL: 1920 mg/m <sup>3</sup>	NDS: 1900 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup> STEL: 1187.5 mg/m <sup>3</sup> STEL: 625 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Methyl alcohol 67-56-1		STEL: 800 ppm STEL: 1040 mg/m <sup>3</sup>	NDSch: 300 mg/m <sup>3</sup> NDS: 100 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 130 mg/m <sup>3</sup> Skin STEL: 150 ppm STEL: 162.5 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 310 mg/m <sup>3</sup> Skin
Ketone	STEL 2000 ppm STEL; 4800 mg/m <sup>3</sup> STEL MAK: 500 ppm MAK; 1200 mg/m <sup>3</sup> MAK	STEL: 1000 ppm STEL: 2400 mg/m <sup>3</sup>	NDSch: 1800 mg/m <sup>3</sup> NDS: 600 mg/m <sup>3</sup>	TWA: 125 ppm TWA: 295 mg/m <sup>3</sup> STEL: 156.25 ppm STEL: 368.75 mg/m <sup>3</sup>	TWA: 1210 mg/m <sup>3</sup> TWA: 500 ppm
Isopropyl alcohol 67-63-0	STEL 800 ppm STEL; 2000 mg/m <sup>3</sup> STEL MAK: 200 ppm MAK; 500 mg/m <sup>3</sup> MAK	STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup>	NDSch: 1200 mg/m <sup>3</sup> NDS: 900 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 245 mg/m <sup>3</sup> STEL: 150 ppm STEL: 306.25 mg/m <sup>3</sup>	TWA: 200 ppm Skin

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/Face Protection**

Tight sealing safety goggles. Face protection shield.

**Hand protection**

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Skin and body protection**

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Antistatic boots. Wear fire/flame resistant/retardant clothing. Suitable protective clothing. Apron.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	solvent
<b>Appearance</b>	Black	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No information available
<b>Melting point / freezing point</b>		No information available
<b>Boiling point/range (°C) VALUE</b>	75 °C	No information available
<b>Flash point</b>	< 17 °C	Seta Closed Cup
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>		11.5 (volume % in Air)
<b>Lower flammability limit:</b>		1.8 (volume % in Air)
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Relative density</b>	0.700 - 0.900	No information available
<b>Water solubility</b>		No information available
<b>Solubility(ies)</b>	partly miscible	No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>	< 15 cps	No information available
<b>Explosive properties</b>	No information available	
Oxidizing properties	No information available	

### 9.2. Other information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

#### **Hazardous polymerization**

Hazardous polymerization does not occur.

#### **Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

Heating in air. Heat, flames and sparks.

### 10.5. Incompatible materials

Strong oxidizing agents. Acids. Chlorinated compounds. Strong acids.

### 10.6. Hazardous decomposition products

Carbon oxides.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

##### **Product Information**

The product has not been tested.

<b>Inhalation</b>	Toxic by inhalation. Avoid breathing vapors or mists. Aspiration into lungs can produce severe lung damage. Toxic: danger of very serious irreversible effects through inhalation. Harmful: possible risk of irreversible effects through inhalation.
<b>Eye contact</b>	Irritating to eyes. Avoid contact with eyes. May cause irritation. May cause irreversible damage to eyes.
<b>IF ON SKIN</b>	Avoid contact with skin. Toxic in contact with skin. Toxic: Danger of very serious irreversible effects in contact with the skin. Harmful: Possible risk of irreversible effects in contact with the skin.
<b>Ingestion</b>	Toxic if swallowed. Do NOT taste or swallow. Toxic: danger of very serious irreversible effects if swallowed. Harmful: possible risk of irreversible effects if swallowed.

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

<b>ATEmix (oral)</b>	257.70 mg/kg
<b>ATEmix (dermal)</b>	787.20 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	1.32 mg/l

##### Unknown acute toxicity

- 0.825 % of the mixture consists of ingredient(s) of unknown toxicity.
- 0.825 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 0.825 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 0.825 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 0.825 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
- 0.825 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol	= 7060 mg/kg ( Rat )		= 124.7 mg/L ( Rat ) 4 h
Methyl alcohol	= 6200 mg/kg ( Rat )	= 15840 mg/kg ( Rabbit ) = 15800 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h
Ester	= 1540 mg/kg ( Rat )		> 5100 mg/m <sup>3</sup> ( Rat ) 4 h
Ketone	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Isopropyl alcohol	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h
Naphthalene	= 1110 mg/kg ( Rat ) = 490 mg/kg ( Rat )	(= 1120 mg/kg ( Rabbit ) > 20 g/kg ( Rabbit )	> 340 mg/m <sup>3</sup> ( Rat ) 1 h
2-Naphthol	= 1320 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	= 2.2 mg/L ( Rat ) 4 h > 770 mg/m <sup>3</sup> ( Rat ) 1 h

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenic effects</b>	This product contains Ethanol which is classified as a possible carcinogen when ingested in

the form of an alcoholic beverage. This is irrelevant as this product is used for ink jet ink applications not an alcoholic beverage.

Chemical Name	EU Annex I Carcinogen Information
Naphthalene	Carc. 2

<b>Reproductive toxicity</b>	May impair fertility.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target organ effects</b>	liver, blood, Eyes, Skin, Central Nervous System (CNS), blood, Reproductive System, Gastrointestinal tract (GI).
<b>Aspiration hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Toxic to aquatic life Toxic to aquatic life with long lasting effects

### Ecotoxicity effects

Not Established.

Contains 0.825 % of components with unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Toxicity to Fish	Crustacea
Ethyl alcohol		100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Methyl alcohol		28200: 96 h Pimephales promelas mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	
Ester	79: 96 h Desmodemus subspicatus mg/L EC50 360: 72 h Desmodemus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static	500: 48 h Daphnia magna Straus mg/L EC50
Ketone		8300: 96 h Lepomis macrochirus mg/L LC50 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static	12600 - 12700: 48 h Daphnia magna mg/L EC50 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static
Isopropyl alcohol	1000: 72 h Desmodemus subspicatus mg/L EC50 1000: 96 h Desmodemus subspicatus mg/L EC50	11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through	13299: 48 h Daphnia magna mg/L EC50
Naphthalene	0.4: 72 h Skeletonema costatum mg/L EC50	0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 31.0265: 96 h Lepomis macrochirus mg/L LC50 static 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.99: 96 h Pimephales promelas mg/L LC50 static	1.96: 48 h Daphnia magna mg/L EC50 Flow through 1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static 2.16: 48 h Daphnia magna mg/L LC50
2-Naphthol	18.8: 4 h Pseudokirchneriella subcapitata mg/L EC50	2.43 - 3.9: 96 h Pimephales promelas mg/L LC50 static	3.17 - 3.95: 48 h Daphnia magna mg/L LC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

Chemical Name	Partition coefficient
Ethyl alcohol	-0.32
Methyl alcohol	-0.77
Ester	-0.566
Ketone	-0.24
Isopropyl alcohol	0.05
Naphthalene	3.6
2-Naphthol	2.84

**12.4. Mobility in soil****Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
2-Naphthol	Group III Chemical		

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods****Waste from residues/unused products**

Dispose of as hazardous waste in compliance with local and national regulations.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Other Information**

According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

**IMDG/IMO**

<b>14.1 UN-No</b>	UN1210
<b>14.2 Proper shipping name</b>	Printing Ink, Flammable
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing group</b>	II
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	No information available



Naphthalene 91-20-3 ( 0.1 - <1 )	X	X	X	X	X	X	X	X
2-Naphthol 135-19-3 ( 0.1 - <1 )	X	X	X	X	X	X	X	X

**Legend Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION****Full text of H-Statements referred to under section 3**

EUH066 - Repeated exposure may cause skin dryness or cracking  
 H225 - Highly flammable liquid and vapor  
 H301 - Toxic if swallowed  
 H302 - Harmful if swallowed  
 H311 - Toxic in contact with skin  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H331 - Toxic if inhaled  
 H332 - Harmful if inhaled  
 H336 - May cause drowsiness or dizziness  
 H351 - Suspected of causing cancer  
 H370 - Causes damage to organs  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects  
 H412 - Harmful to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

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**Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.**

**End of Safety Data Sheet**