



## SAFETY DATA SHEET

### Linx Red ink 1018

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** Linx Red ink 1018

**Product number** 1018

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

**Identified uses** Printing ink.

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

**Supplier** Linx Printing Technologies Ltd  
 Linx House  
 8 Stocks Bridge Way  
 Compass Point Business Park  
 ST IVES  
 Cambridgeshire PE27 5JL  
 UK  
 T: +44 (0)1480 302100 Mon-Fri 9am-5pm  
 F: +44 (0)1480 302116  
 E-mail: SDS@Linx.co.uk Web: www.linxglobal.com

##### 1.4. Emergency telephone number

**Emergency telephone** 24HR: (+1)-352-323-3500; USA 1-800-535-5053

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (SI 2019 No. 720)

**Physical hazards** Flam. Liq. 2 - H225

**Health hazards** Eye Irrit. 2 - H319 STOT SE 3 - H336

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Danger

**Hazard statements** H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

## Linx Red ink 1018

|   |  |
|---|--|
| <b>Precautionary statements</b>               | <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P313 Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>   |
| <b>Supplemental label information</b>         | EUH066 Repeated exposure may cause skin dryness or cracking.   |
| <b>Contains</b>                               | butanone   |
| <b>Supplementary precautionary statements</b> | <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> |

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|   |                      |
|---|----------------------|
| <b>BUTANONE</b>   | <b>60-80%</b>        |
| CAS number: 78-93-3   | EC number: 201-159-0 |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H336 |                      |
| <b>ETHANOL</b>  | <b>5-10%</b>         |
| CAS number: 64-17-5   | EC number: 200-578-6 |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Eye Irrit. 2 - H319                     |                      |

## Linx Red ink 1018

|   |                      |
|---|----------------------|
| <b>PROPAN-2-OL</b>  | <b>1-5%</b>          |
| CAS number: 67-63-0   | EC number: 200-661-7 |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H336   |                      |
| <b>ETHYL ACETATE</b>  | <b>1-5%</b>          |
| CAS number: 141-78-6  | EC number: 205-500-4 |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H336   |                      |
| <b>methanol</b>   | <b>&lt;1%</b>        |
| CAS number: 67-56-1   | EC number: 200-659-6 |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 3 - H331<br>STOT SE 1 - H370 |                      |

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                            |  |
|----------------------------|--|
| <b>General information</b> | Get medical attention if any discomfort continues. Never give anything by mouth to an unconscious person.  |
| <b>Inhalation</b>          | Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.   |
| <b>Ingestion</b>           | Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately. |
| <b>Skin contact</b>        | Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.  |
| <b>Eye contact</b>         | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                            |  |
|----------------------------|--|
| <b>General information</b> | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. See Section 11 for additional information on health hazards. |
| <b>Inhalation</b>          | Vapours may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway.  |

## Linx Red ink 1018

|                     |   |
|---------------------|---|
| <b>Ingestion</b>    | May cause stomach pain or vomiting.                           |
| <b>Skin contact</b> | Prolonged contact may cause redness, irritation and dry skin. |
| <b>Eye contact</b>  | May cause temporary eye irritation.                           |

### **4.3. Indication of any immediate medical attention and special treatment needed**

|                             |   |
|-----------------------------|---|
| <b>Notes for the doctor</b> | If in doubt, get medical attention promptly. Treat symptomatically. |
|-----------------------------|---|

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with the following media: Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Water spray, fog or mist. Powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

**Hazardous combustion products** Oxides of carbon. Oxides of nitrogen.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Control run-off water by containing and keeping it out of sewers and watercourses. Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate.

### **6.2. Environmental precautions**

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Use appropriate containment to avoid environmental contamination.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely.

### **6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

## Linx Red ink 1018

**Usage precautions** Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Vapours may accumulate on the floor and in low-lying areas. Contaminated rags and cloths must be put in fireproof containers for disposal.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **BUTANONE**

Long-term exposure limit (8-hour TWA): WEL 200 ppm 600 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m<sup>3</sup>

Sk

##### **ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

##### **PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

##### **ETHYL ACETATE**

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

##### **methanol**

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

#### **BUTANONE (CAS: 78-93-3)**

**DNEL** Workers - Dermal; Long term systemic effects: 1161 mg/kg/day  
Workers - Inhalation; Long term systemic effects: 600 mg/m<sup>3</sup>

**PNEC** Fresh water; 55.8 mg/l  
marine water; 55.8 mg/l  
Intermittent release; 55.8 mg/l  
Sediment (Freshwater); 284.7 mg/kg  
Sediment (Marinewater); 284.7 mg/kg  
Soil; 22.5 mg/kg  
STP; 709 mg/l

#### **ETHANOL (CAS: 64-17-5)**

## Linx Red ink 1018

**DNEL** Workers - Dermal; Long term : 343 mg/kg  
Workers - Inhalation; Short term local effects: 1900 mg/m<sup>3</sup>  
Workers - Inhalation; Long term : 950 mg/m<sup>3</sup>

**PNEC** Fresh water; 0.96 mg/l  
marine water; 0.79 mg/l  
Sediment (Freshwater); 3.6 mg/kg  
Soil; 0.63 mg/kg

### PROPAN-2-OL (CAS: 67-63-0)

**DNEL** Workers - Dermal; Long term : 888 mg/kg/day  
Workers - Inhalation; Long term : 500 mg/m<sup>3</sup>

**PNEC** Fresh water; 140.9 mg/l  
marine water; 140.9 mg/l  
Sediment (Freshwater); 552 mg/kg  
Sediment (Marinewater); 552 mg/kg  
Soil; 28 mg/kg

### ETHYL ACETATE (CAS: 141-78-6)

**DNEL** Workers - Inhalation; Short term systemic effects: 1468 mg/m<sup>3</sup>  
Workers - Inhalation; Short term local effects: 1468 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 63 mg/kg/day  
Workers - Inhalation; Long term systemic effects: 734 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 734 mg/m<sup>3</sup>

**PNEC** Fresh water; 0.24 mg/l  
marine water; 0.024 mg/l  
Sediment (Freshwater); 1.15 mg/kg  
Sediment (Marinewater); 0.115 mg/kg  
Soil; 0.148 mg/kg  
Intermittent release; 1.65 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Wear chemical splash goggles.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. For exposure up to 4 hours, wear gloves made of the following material: Butyl rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

## Linx Red ink 1018

|  |   |
|--|---|
| <b>Hygiene measures</b>                | Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. |
| <b>Respiratory protection</b>          | No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Gas filter, type AX.           |
| <b>Environmental exposure controls</b> | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.   |

### SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| <b>Appearance</b>                                   | Liquid.  |
| <b>Colour</b>                                       | Red.   |
| <b>Odour</b>  | Characteristic.  |
| <b>Odour threshold</b>                              | Not available.   |
| <b>pH</b>   | Not available.   |
| <b>Melting point</b>                                | -86°C  |
| <b>Initial boiling point and range</b>              | 80°C @ 760 mm Hg   |
| <b>Flash point</b>                                  | -6°C Closed cup.   |
| <b>Evaporation rate</b>                             | > BuAc (BuAc=1)  |
| <b>Flammability (solid, gas)</b>                    | Not available.   |
| <b>Upper/lower flammability or explosive limits</b> | Lower flammable/explosive limit: 1.8 (%v/v) Upper flammable/explosive limit: 11.5 (%v/v) |
| <b>Vapour pressure</b>                              | 78 mmHg @ 20°C   |
| <b>Vapour density</b>                               | 2.4  |
| <b>Relative density</b>                             | 0.82 - 0.96 @ 25°C   |
| <b>Solubility(ies)</b>                              | Slightly soluble in water.   |
| <b>Partition coefficient</b>                        | log Pow: 0.3 Information given is applicable to the major ingredient.                    |
| <b>Auto-ignition temperature</b>                    | 515°C  |
| <b>Decomposition Temperature</b>                    | Not available.   |
| <b>Viscosity</b>                                    | 2 - 5 mPa s @ 25°C   |
| <b>Explosive properties</b>                         | Not considered to be explosive.  |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising.                              |

#### 9.2. Other information

|                   |           |
|-------------------|-----------|
| <b>Volatility</b> | Volatile. |
|-------------------|-----------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---|

#### 10.2. Chemical stability

## Linx Red ink 1018

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong alkalis. Strong oxidising agents. Strong reducing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 29,949.09

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 89,847.26

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 898.47

#### Skin corrosion/irritation

**Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure



## Linx Red ink 1018

**STOT - single exposure**            STOT SE 3 - H336

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**    Based on available data the classification criteria are not met.

**Aspiration hazard**

**Aspiration hazard**                Based on available data the classification criteria are not met.

**General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Drowsiness, dizziness, disorientation, vertigo.

**Ingestion**

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Nausea, vomiting. Diarrhoea.

**Skin contact**

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

**Eye contact**

Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.

**Route of exposure**

Inhalation Skin and/or eye contact Ingestion

**Toxicological information on ingredients.**

**BUTANONE**

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)**    2,737.0

**Species**                                    Rat

**ATE oral (mg/kg)**                        2,737.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)**    6,480.0

**Species**                                    Rabbit

**ATE dermal (mg/kg)**                    6,480.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)**    11,700.0

**Species**                                    Rat

**ATE inhalation (vapours mg/l)**        11,700.0

**ETHANOL**

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)**                        LD<sub>50</sub> >2000 mg/kg, Oral, Rat

**Acute toxicity - dermal**

## Linx Red ink 1018

**Notes (dermal LD<sub>50</sub>)** LC<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> 51 mg/l, 4 hours, Vapour Rat

### PROPAN-2-OL

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> 51 mg/l, 8 hours, Vapour Rat

### ETHYL ACETATE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 4,934.0

**Species** Rabbit

**ATE oral (mg/kg)** 4,934.0

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >20000 mg/kg, Dermal, Rabbit

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >22.5 mg/l, 6 hours, Vapour Rat

### methanol

### Acute toxicity - oral

**ATE oral (mg/kg)** 100.0

### Acute toxicity - dermal

**ATE dermal (mg/kg)** 300.0

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 131.25

**ATE inhalation (vapours mg/l)** 131.25

## SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** See the other subsections of this section for further details.

### Ecological information on ingredients.

## Linx Red ink 1018

### BUTANONE

#### Acute aquatic toxicity

|   |   |
|---|---|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: 2993 mg/l, Pimephales promelas (Fat-head Minnow) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: 308 mg/l, Daphnia magna                          |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: >100 mg/l, Pseudokirchneriella subcapitata       |

### ETHANOL

#### Acute aquatic toxicity

|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 96 hours: >100 mg/l, Daphnia magna                          |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: 275 mg/l, Freshwater algae                        |

### PROPAN-2-OL

#### Acute aquatic toxicity

|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 48 hours: >100 mg/l, Leuciscus idus (Golden orfe) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna                |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: >100 mg/l, Scenedesmus subspicatus      |

### ETHYL ACETATE

#### Acute aquatic toxicity

|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: 230 mg/l, Pimephales promelas (Fat-head Minnow) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: 165 mg/l, Daphnia magna                         |
| <b>Acute toxicity - aquatic plants</b>        | LC <sub>50</sub> , 48 hours: 5600 mg/l, Desmodemus subspicatus               |

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** log Pow: 0.3 Information given is applicable to the major ingredient.

#### 12.4. Mobility in soil

**Mobility** The product contains organic solvents which will evaporate easily from all surfaces.

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

## Linx Red ink 1018

### 12.6. Other adverse effects

**Other adverse effects**                      None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**                      When handling waste, the safety precautions applying to handling of the product should be considered. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

**Disposal methods**                          Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste via a licensed waste disposal contractor.

**Waste class**                                      European Waste Catalogue Number (2000/532/EC): 08 03 12

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)**                              1210

**UN No. (IMDG)**                                 1210

**UN No. (ICAO)**                                 1210

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**              PRINTING INK RELATED MATERIAL

**Proper shipping name (IMDG)**                PRINTING INK RELATED MATERIAL

**Proper shipping name (ICAO)**                PRINTING INK RELATED MATERIAL

**Proper shipping name (ADN)**                PRINTING INK RELATED MATERIAL

#### 14.3. Transport hazard class(es)

**ADR/RID class**                                  3 - F1

**ADR/RID label**                                 3

**IMDG class**                                      3

**ICAO class/division**                          3

#### Transport labels



#### 14.4. Packing group

**ADR/RID packing group**                      II

**IMDG packing group**                         II

**ICAO packing group**                         II

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

## Linx Red ink 1018

EmS F-E, S-D

Emergency Action Code 3YE

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Introduction to Local Exhaust Ventilation HS(G)37.

**Authorisations (SI 2020 No. 1577 Annex XIV)** No specific authorisations are known for this product.

**Restrictions (SI 2020 No. 1577 Annex XVII)** No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

- ATE: Acute Toxicity Estimate.
- CAS: Chemical Abstracts Service.
- DNEL: Derived No Effect Level.
- EC<sub>50</sub>: 50% of maximal Effective Concentration.
- GHS: Globally Harmonized System.
- LC50: Lethal Concentration to 50 % of a test population.
- LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
- PBT: Persistent, Bioaccumulative and Toxic substance.
- PNEC: Predicted No Effect Concentration.
- REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
- SVHC: Substances of Very High Concern.
- vPvB: Very Persistent and Very Bioaccumulative.

**Revision date** 19/01/2023

**Revision** 24

**Supersedes date** 18/07/2019

**SDS number** 10147

**Hazard statements in full**

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs .

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.