



**Labelling according to Regulation (EC) No 1272/2008**

Not required

**Hazard pictograms**

Not required

**Signal word**

Not required

**Hazard statements**

H412 - Harmful to aquatic life with long-lasting effects

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

P273 - Avoid release to the environment.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Information**

EUH208-Contains 3-iodo-2-propynyl butylcarbamate.

May produce an allergic reaction.

**2.3. Other Hazards**

None

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Black ink**

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (Reg. 1272/2008)
Carbon black	1333-86-4	215-609-9	None	15 - 25	None
[[4-[[4-(anilino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]benzenesulphonic acid	1324-76-1	215-385-2	None	1 - 3	None
3-iodo-2-propynyl butylcarbamate	55406-53-6	259-627-5	None	< 1	Acute Tox. 3 (H331) Acute Tox. 4 (H302) STOT RE 1 (H372) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Resin	CBI	CBI	None	CBI	None
Oil	CBI	CBI	None	CBI	None
Other additive	CBI	CBI	None	CBI	None

**Red ink**

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (Reg. 1272/2008)
D&C Red No.9	5160-02-1	225-935-3	None	10 - 20	None
Other coloring material	CBI	CBI	None	CBI	None
Resin	CBI	CBI	None	CBI	None
Oil	CBI	CBI	None	CBI	None
Additive	CBI	CBI	None	CBI	None

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Not applicable
<b>Ingestion</b>	Get medical attention immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.
<b>Eye Contact</b>	Flush with plenty of water. Get medical attention immediately if symptoms occur.

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

<b>Inhalation</b>	Not known
<b>Ingestion</b>	Not known
<b>Skin Contact</b>	Not known
<b>Eye Contact</b>	Not known
<b>Chronic Effects</b>	Not known

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

None

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**  
 Water mist, Foam, Dry powder, CO2 gas, other

**Unsuitable extinguishing media**  
 None

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

**Special Hazard**  
 None

**Hazardous combustion products**  
 Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**  
 Wear appropriate breathing apparatus and Personal protection.

**SECTION 6: Accidental release measures**

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

Avoid contact with skin, eyes and clothing.

### 6.2. Environmental Precautions

Keep out of waterways.

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

If inadvertently released, rewind ribbon.

### 6.4. Reference to other sections

No data available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

No special. For personal safety, see section 8.

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

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition.

### 7.3. Specific end uses

Fabric ribbon

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	EU OEL	Austria	Belgium	Bulgaria	Cyprus
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m <sup>3</sup>	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Carbon black 1333-86-4	TWA: 2.0 mg/m <sup>3</sup> dust	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	None	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Carbon black 1333-86-4	TWA: 4.0 mg/m <sup>3</sup> total inhalable dust	TWA: 3.5 mg/m <sup>3</sup>	None	TWA: 2 mg/m <sup>3</sup> respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m <sup>3</sup> respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m <sup>3</sup> total aerosol	TWA: 3.5 mg/m <sup>3</sup>
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Carbon black 1333-86-4	TLV: 3 mg/m <sup>3</sup> total dust	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	None	one

**8.2. Exposure controls**

**Appropriate engineering controls** None under normal use conditions.

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

<b>Eye/face Protection</b>	Not required under normal use.
<b>Skin Protection</b>	Wear protective gloves when required.
<b>Respiratory Protection</b>	Not required under normal use.
<b>Thermal hazards</b>	Not applicable in normal conditions of use.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Nylon 6-6 fabric impregnated with liquid black and red ink
<b>Odor</b>	No data available
<b>Odor threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting/Freezing point (°C)</b>	No data available
<b>Boiling Point/Range (°C)</b>	No data available
<b>Flash Point (°C)</b>	> 150
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Flammability Limits in Air</b>	
<b>Upper Flammability Limit</b>	No data available
<b>Lower Flammability Limit</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility(ies)</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature (°C)</b>	No data available
<b>Decomposition Temperature (°C)</b>	No data available
<b>Viscosity (mPa s)</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

**9.2. Other Information**

No data available

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

None

**10.2. Chemical stability**

Stable

**10.3. Possibility of Hazardous Reactions**

None

**10.4. Conditions to Avoid**

High temperature, High humidity, direct sunlight.

#### **10.5. Incompatible materials**

None

#### **10.6. Hazardous Decomposition Products**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO).

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	The IARC evaluated carbon black, as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. However, the amount of inhalation exposure to powdered carbon black is negligible under intended use of this product.
<b>Reproductive Toxicity</b>	No data available
<b>STOT - single exposure</b>	No data available
<b>STOT - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Other Information</b>	No data available

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

##### **Ecotoxicity effects**

Harmful to aquatic life with long lasting effects(Black ink)  
Fish, 96-Hour LC50 = 0.067mg/L (3-iodo-2-propynyl butylcarbamate)

#### **12.2. Persistence and degradability**

No data available

#### **12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

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

No data available

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Dispose of in accordance with local regulations.

**SECTION 14: Transport information**

**14.1. UN number** None

**14.2. UN Proper Shipping Name** None

**14.3. Transport Hazard Class** None

**14.4. Packing Group** None

**14.5. Environmental Hazards** Harmful to aquatic life with long lasting effects

**14.6. Special Precautions for users** None

**14.7. 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**

(EC) No 1907/2006 Authorisation	Not regulated
(EC) No 1907/2006 Restriction	Not regulated
(EC) No 1005/2009	Not regulated
(EC) No 850/2004	Not regulated
(EU) No 649/2012	Not regulated
Other Information	None

**15.2. Chemical safety assessment**

None

**SECTION 16: Other information**

**Full text of H-Statements referred to under sections 2 and 3**

H331 - Toxic if inhaled  
H302 - Harmful if swallowed  
H372 - Causes damage to organs through prolonged or repeated exposure  
H318 - Causes serious eye damage  
H317 - May cause an allergic skin reaction  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long-lasting effects

**Key literature references and sources for data**

- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans  
- EU Directive 1999/45/EC  
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EU) No 649/2012

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- PBT: Persistent, Bioaccumulative and Toxic  
- vPvB: very Persistent and very Bioaccumulative  
- SVHC: Substances of Very High Concern  
- IARC: International Agency for Research on Cancer  
- EU OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU.  
- TWA: Time Weighted Average  
- STEL: Short Term Exposure Limit  
- CBI: Confidential Business Information

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