



J-TECK3 SRL

CYAN Next Sublimation Ink

Revision nr.3
Dated 6/12/2012
Printed on 6/12/2012
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Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: XSI-100C
Product name: CYAN Next Sublimation Ink

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

Intended use: INK FOR DIGITAL PRINTING

1.3. Details of the supplier of the safety data sheet

Name: J-TECK3 SRL
Full address: Via per Montorfano, 68-70
District and Country: 22032 Albese con Cassano (CO) ITALY
Tel.: +39 031428102
Fax: +39 0314290102
e-mail address of the competent person responsible for the Safety Data Sheet: info@j-teck3.com

1.4. Emergency telephone number

For urgent inquiries refer to: +39 031428102

2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

2.2. Label elements.

This product is not subject to hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

Warning symbols: None.

Hazard sentences (R): None.

Caution recommendations (S): None.

2.3. Other hazards.

Information not available.

3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

4. First aid measures.

4.1. Description of first aid measures.

No harm to the staff authorised to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

INHALATION: remove to open air. If respiration is difficult, administer artificial respiration and seek medical advice.

INGESTION: seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

EYES and SKIN: wash with plenty of water; if the irritation persists, seek medical advice.



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

No episodes of damage to health ascribable to the product have been reported.

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

Information not available.

5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.

Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and antistatic), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

If there are no contraindications, spray powder with water to prevent the formation of dust. Use breathing equipment if powders are released into the air.

6.2. Environmental precautions.

The product must not penetrate the sewer system, surface water, ground water and neighbouring areas.

6.3. Methods and material for containment and cleaning up.

Use mechanical tools to collect leaked product and eliminate the remainder using jets of water. Make sure the leakage site is well aired.

Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage.

7.1. Precautions for safe handling.

Avoid the exceeding the professional exposure limits (see Section 8).

Avoid contact with skin, eyes and clothes.

Do not smoke, eat or drink in the working areas. Avoid inhaling vapours or fumes.

For personal protection see Section 8. Carefully stir before use.

Keep the products in closed original containers after the use.

7.2. Conditions for safe storage, including any incompatibilities.

Follow the instructions written on the labels.

Open containers have to be carefully closed and kept in vertical position to avoid leakage.

Keep the product in ventilate areas, far from heating or ignition sources or direct sun rays, at a temperature between 5°C and 35°C.

Storage according to the specific national rules.

Smoking prohibited.

Electrical installations and working materials must be in compliance with the current safety and technical regulations.

7.3. Specific end use(s).

Information not available.



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8. Exposure controls/personal protection.

8.1. Control parameters.

| Name | Type | Country | TWA/8h | ppm | STEL/15min | ppm | |
|----------|------|---------|--------|-----|------------|-----|--|
| | | | mg/m3 | | mg/m3 | | |
| Glycerol | TLV | | 10 | 2,7 | | | |

8.2. Exposure controls.

Observance of safety measures used in handling chemical substances.

RESPIRATORY PROTECTION

If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an B or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141).

EYE PROTECTION

None required.

HAND PROTECTION

None required.

SKIN PROTECTION

None required.

9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

| | |
|--|----------------|
| Appearance | liquid |
| Colour | blue |
| Odour | mild |
| Odour threshold. | Not available. |
| pH. | 7 - 9 |
| Melting or freezing point. | Not available. |
| Boiling point. | Not available. |
| Distillation range. | Not available. |
| Flash point. | Not available. |
| Evaporation Rate | Not available. |
| Flammability of solids and gases | Not available. |
| Lower flammability limit. | Not available. |
| Upper flammability limit. | Not available. |
| Lower explosive limit. | Not available. |
| Upper explosive limit. | Not available. |
| Vapour pressure. | Not available. |
| Vapour density | Not available. |
| Specific gravity. | 1,070 g/cm3 |
| Solubility | Not available. |
| Partition coefficient: n-octanol/water | Not available. |
| Ignition temperature. | Not available. |
| Decomposition temperature. | Not available. |
| Viscosity | 2 - 7 cps |
| Reactive Properties | Not available. |

9.2. Other information.

Information not available.

10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.

None in particular, however the usual precautions used for chemical products should be respected.



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10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects.

LIGNOSULFONIC ACID SODIUM SALT

LD50 (Oral): 6030 mg/kg Mouse

Disperse Blue 359

LD50 (Oral): > 2000 mg/Kg rat

Glycerol

LD50 (Oral): > 10000 mg/Kg rat

Aqueous preparation of modified polymers with pigment affinitive groups

LD50 (Oral): > 2000 mg/Kg rat

12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

Disperse Blue 359

LC50 (96h): > 100 mg/l trout

Glycerol

EC50 (48h): > 10000 mg/l Daphnia Magna (24 hours)

LC50 (96h): > 5000 mg/l Carassius auratus (24 hours)

Aqueous preparation of modified polymers with pigment affinitive groups

EC50 (48h): > 128 mg/l (Daphnia magna)

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

Information not available.

12.6. Other adverse effects.

Information not available.

13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15. Regulatory information.



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

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.
None.

Substances in Candidate List (Art. 59 REACH).
None.

Substances subject to authorisation (Annex XIV REACH).
None.

Healthcare controls.
Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

16. Other information.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck Index. - 10th Edition
8. Handling Chemical Safety
9. Niosh - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review:

The following sections were modified:

04.