Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Product name: J-ECO SUBLY NANO NS 60 BLACK

1.2 Use of the substance / preparation

Chemical nature: Digital Printing Ink

1.3 Company identification

Name: J-Teck3 s.r.l.
Full address: via per Montorfano, 66
District and Country: 22032 Albese con Cassano (CO) Italia
Tel.: 0039 031 428102
Fax: 0039 031 4290102

Product distribution by J-teck S.r.l.
e-mail address of the competent person Responsible for the Safety Data Sheet: I.guggiari@j-teck3.com

1.4 Emergency telephone: 0039 031 428102

2. Hazards Identification

This preparate is not dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Nevertheless, this preparate contains dangerous substances in concentrations that must be declared in section No. 3 and requires a safety data sheet containing all the information required under the 91/155 EC regulation and subsequent amendments.

3. Composition / Information on ingredients

Contains:

<table>
<thead>
<tr>
<th>Name</th>
<th>Concentration % (w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lignin alkali (Cas No 105859-97-0)</td>
<td>C &lt; 2</td>
<td>Xi R36</td>
</tr>
<tr>
<td>mix Antraquinonic / Quinonphthalone disperse dyes</td>
<td>2.8</td>
<td></td>
</tr>
<tr>
<td>water (Cas No 7732-18-5)</td>
<td>90-95</td>
<td></td>
</tr>
</tbody>
</table>

The complete text of -R- phrases is specified in section 16.
4. 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.

5. Fire-fighting measures

Proper extinguishing means
Spray water, soap resistant to alcohol, dried chemical products or carbon dioxide.
Containers in proximity of fire have to be kept constantly fresh with spray water.

Extinguishing means which cannot be used for safety reasons
DO NOT USE jets of water.

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.
Collect separately the contaminated water, used to extinguish the fire and do not release it in the sewers.

6. Accidental release measures

Personal precautions
Use personal protection means. Ventilate the room.
See protection measures listed in section 7 and 8.
The product can cause slipping.

Environmental precautions
Avoid the product to be released in sewers or water courses. In case the product contaminates rivers, lakes or sewers it is necessary to inform the competent authorities.

Cleaning methods
Clean with detergents. Avoid cleaning with solvents.
Limit leakages with earth or inert material. Remove most of the product and then rinse the involved area by jets of water.

7. Handling and storage

Suggestions for a safe handling
Avoid exceeding the professional exposure limits (see section 8)
Only use the product in areas provided with proper aspiration systems.
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 product in closed containers after the use.
Storage Area & Containers
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° 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.

8. Exposure control / personal protection.

8.1 Exposure limit values
N.A.

8.2 Exposure controls
Follow the good industrial hygiene practices adopting suitable individual protective measures, such as gloves and overall. Do not eat or smoke while handling the product. Wash hands before eating and at the end of the work shift. Periodic health controls are recommended at the discretion of the doctor.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>BLACK</td>
</tr>
<tr>
<td>Odour</td>
<td>SLIGHT</td>
</tr>
<tr>
<td>Appearance</td>
<td>FLUID</td>
</tr>
<tr>
<td>Viscosity</td>
<td>2-8cps</td>
</tr>
<tr>
<td>Vapour density</td>
<td>N.A.</td>
</tr>
<tr>
<td>Solubility</td>
<td>N.A.</td>
</tr>
<tr>
<td>Evaporation speed</td>
<td>N.A.</td>
</tr>
<tr>
<td>Comburent properties</td>
<td>N.A.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol /water</td>
<td>N.A.</td>
</tr>
<tr>
<td>pH</td>
<td>7-9</td>
</tr>
<tr>
<td>Boiling point</td>
<td>N.A.</td>
</tr>
<tr>
<td>Flash point</td>
<td>N.A.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>N.A.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>N.A.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.1 g/cm³</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

The product is stable in normal conditions of use and storage. 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 preparate may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.
12. Ecological information

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

13. Disposal considerations

The product cannot be released into the sewers, water courses or soil. It cannot be disposed together with common waste.
Act according to the different regulations established by local rules.

14. Transport information

This substance 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

Non-hazardous preparation according to EC 67/548 and 1999/45/CE rules and subsequent updating

16. Other information

Text of -R- phrases quoted in section 3 of the sheet.

R36  IRRITATING TO EYES.

GENERAL BIBLIOGRAPHY
1. Directive 1999/45/CE and following amendments;
2. Directive 67/548/CEE and following amendments and adjustments (technical adjustment XXIX);
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;

Note for users:
The information contained in the present sheet is 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: 01/02/03/09