

Material Safety Data Sheet

According to 91/155 EC

Reviewed on 28.03.2003

1 Identification of substance

- **Product details**
 - **Trade name:** PAPILLON HARD INK REMOVER
 - **Product-No:** BJSO30175-6
 - **Application of the substance / the preparation** Wash-up for use in the printing industry
 - **Manufacturer/Supplier:**
Boss Graphic Supplies*,
TP2 Taylor Road,
Urmston,
Manchester,
M41 7SW
- *Boss Graphic Supplies is a division of Sun Chemical Corp.
- **Informing department:** Product Safety Department
 - **Emergency information:**
Tel: 0161 746 7840
OUT OF OFFICE 24 HOUR EMERGENCY TEL:- 01706 368201/0777 1806741

2 Composition/Data on components:

- **Chemical characterization:**
 - **Dangerous components, which are presenting a health hazard under the scope of the Dangerous Substances Directive 67/548/EEC.**
- | | | |
|-------------------|---------------------------------------|---------|
| CAS: 872-50-4 | N-methyl-2-pyrrolidone | 80-100% |
| EINECS: 212-828-1 | Xi; R 36/38 | |
| CAS: 126-92-1 | Sodium salt of 2 ethyl hexyl sulphate | ≤ 2.5% |
| EINECS: 204-812-8 | Xi; R 36/38 | |
- **Additional information**
For information about ingredients with occupational exposure limits see section 8.
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 36/38 Irritating to eyes and skin.

4 First aid measures

- **General information**
When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
- **After inhalation**
Remove to fresh air.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious place in recovery position and seek medical advice.
- **After skin contact**
Remove contaminated clothing immediately.
Do NOT use solvents or thinners.
Wash skin thoroughly with soap and water or use recognised skin cleanser.

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EC

Reviewed on 28.03.2003

Trade name: PAPILLON HARD INK REMOVER

(Contd. of page 1)

- **After eye contact**
Remove contact lenses.
Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
Seek medical advice.
- **After swallowing**
If accidentally swallowed obtain immediate medical attention!
Keep at rest.
Do NOT induce vomiting.

5 Fire fighting measures

- **Suitable extinguishing agents**
Alcohol resistant foam, CO₂, powders, water spray, if applied under high pressure.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Fire will produce dense black smoke.
Exposure to hazardous decomposition products may cause a health hazard.
Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water spray.
- **Protective equipment:** Wear self-contained respiratory protective device
- **Additional information** Collect run-off from fire fighting.

6 Accidental release measures

- **Person-related safety precautions:** Ventilate the area.
- **Measures for environmental protection:**
Do not allow to enter drains.
If the product contaminates rivers and lakes or sewages inform respective authorities.
- **Measures for cleaning/collecting:**
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.
Clean preferably with a detergent. Avoid the use of solvents.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Avoid skin and eye contact.
Smoking, eating and drinking should be prohibited in application area.
For personal protection see section 8
Comply with health and safety at work laws.
The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product.
Refer to the guide weight indicated on the container when carrying out assessments.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Keep container tightly closed.
Never use pressure to empty: container is not a pressure vessel.
No smoking.
Prevent unauthorized access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- **Information about storage in one common storage facility:**
Keep well away from oxidising agents and strongly alkaline or strongly acid materials.

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EC

Reviewed on 28.03.2003

Trade name: PAPILLON HARD INK REMOVER

(Contd. of page 2)

· **Further information about storage conditions:**

Always keep in containers of the same material as the original one.
 Store in a dry, well ventilated place.
 Keep away from heat and direct sunlight.
 Observe label precautions.
 Store in accordance with the particular national regulations concerning water pollution.
 The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances, should be observed when storing this product.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:**

If relevant apply technical measures to comply with the occupational exposure limits.
 This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.

· **Components with critical values that require monitoring at the workplace:**

Numerical data - if specified - are taken from the valid national lists.

872-50-4 N-methyl-2-pyrrolidone

OES Short-term value: 309 mg/m³, 75 ppm

Long-term value: 103 mg/m³, 25 ppm

Sk

· **Personal protective equipment**

· **General protective and hygienic measures**

ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Regular skin inspection of users of this product is recommended.

· **Breathing equipment:**

If the occupational exposure limits can't be met, in exceptional cases suitable respiratory protection should be worn only for a short period of time.

· **Protection of hands:**

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product.

The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

The glove material has to be impermeable and resistant to the product.

· **Material of gloves**

The selection of suitable gloves depends not only on the material, but also on manufacturing quality, which varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be obtained from the glove manufacturer.

Manufacturer guidelines must always be followed.

· **Eye protection:** Use safety eyewear to protect against splash of liquids.

· **Body protection:**

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

DO NOT USE SOLVENTS OR THINNERS AS SKIN CLEANING AGENTS

(Contd. on page 4)

Material Safety Data Sheet

According to 91/155 EC

Reviewed on 28.03.2003

Trade name: PAPILLON HARD INK REMOVER

(Contd. of page 3)

- **Limitation and supervision of exposure into the environment**
See Section 12 for detailed information.

9 Physical and chemical properties:

- **General Information**

Form: liquid
Smell: characteristic

- **Change in condition**

Melting point/Melting range: -24°C
Boiling point/Boiling range: 100°C

- **Flash point:** > 55°C
- **Ignition temperature:** 270°C

- **Critical values for explosion:**

Lower: 1.3 Vol %
Upper: 9.5 Vol %

- **Vapour pressure at 20°C:** 0.03 kPa
- **Density at 20°C** 1.026 g/cm³
- **Solubility in / Miscibility with**
Water: Solvent fully miscible with water

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

Stable under recommended storage and handling conditions (see section 7).

- **Materials to be avoided:**

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

- **Dangerous products of decomposition:**

Exposure to high temperatures may produce hazardous decompositions: products such as: carbon dioxide, carbon monoxide, smoke, oxides of nitrogen (NOx).

11 Toxicological information

The product is formulated in accordance with the Exclusion List for Printing Inks and Related Products.

There is no data available on the product itself. The Preparation is classified according to the conventional method (calculation method of the EC-directive 88/379/EEC) and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 3 and 15 for details of the resulting hazard classification.

Product has irritant properties.

Inhalation of airbourne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion may lead to severe respiratory difficulties, stimulation of the central nervous system and in extreme cases unconsciousness

Liquid splashes in the eye may cause irritant symptoms.

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

872-50-4 N-methyl-2-pyrrolidone

Oral LD50 3600 mg/kg (rat)

Dermal LD50 8000 mg/kg (Kaninchen)

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(Contd. on page 5)

Material Safety Data Sheet

According to 91/155 EC

Reviewed on 28.03.2003

Trade name: PAPILLON HARD INK REMOVER

(Contd. of page 4)

12 Ecological information:

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

There are no data available on the product itself.

The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment.

13 Disposal considerations

- **Product:**

- **Recommendation**

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Special Waste Regulations apply.

- **European waste catalogue**

07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES

07 07 00 wastes from the MFSU of fine chemicals and chemical products not otherwise specified

07 07 04 other organic solvents, washing liquids and mother liquors

15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 00 packaging (including separately collected municipal packaging waste)

15 01 10 packaging containing residues of or contaminated by dangerous substances

- **Uncleaned packagings:**

- **Recommendation:**

Emptied containers should be supplied to scrap utilisation resp. recycling.

Not emptied containers are hazardous waste.

14 Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15 Regulatory information

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

The provisions of the Health and Safety at work etc. Act (and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

- **Designation according to EC guidelines:**

- **Code letter and hazard designation of product:**

Xi Irritant

- **Risk phrases:**

36/38 Irritating to eyes and skin.

- **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

29/35 Do not empty into drains; dispose of this material and its container in a safe way.

37 Wear suitable gloves.

41 In case of fire and/or explosion do not breathe fumes.

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(Contd. on page 6)

Material Safety Data Sheet

According to 91/155 EC

Reviewed on 28.03.2003

Trade name: PAPILLON HARD INK REMOVER

(Contd. of page 5)

16 Other information:

The information in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations and EC Directive 91/155/EEC.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

- **Relevant R-phrases**

36/38 Irritating to eyes and skin.

- **Department issuing data specification sheet:** Product Safety Department

- **Contact:** Dr Jackie Morgan

- **Sources**

Further information and advice can be found in:

The Control of Substances Hazardous to Health Regulations 1999 [SI 1999:437], The Stationary Office.

COSHH Essentials: easy steps to control chemicals [HSG 193], HSE Books. Details of Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication.

The Manual Handling Operations Regulations 1992 [SI 1972:917], The Stationary Office. Storage of Packaged Dangerous Substances [HSG71], HSE Books.

Exclusion List for Printing Inks and Related Products 1999, CEPE (from BCF tel: 01372 360660).