

SAFETY DATA SHEET

Conforms to 91/155/EEC - 2001/58/EC

Number EN-312-a-NL

Date 14-6-2006.

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Océ Setup Cleaning Low / Eco Solvent

1. Identification of the substance/preparation and company

Identification of the substance or preparation

Product name : Océ Setup Cleaning Low / Eco Solvent
Article no. : 299 52 263
Packaging : Plastic cartridge containing 220 ml
Use of the substance/preparation : Wash cleaning liquid for Océ CS90XX printers
Supplier : Océ-Technologies B.V., P.O. Box 101, NL - 5900 MA Venlo, The Netherlands. +31 77 3592222
Emergency telephone number : For safety questions contact the Product Safety Coordinator of your local Océ organisation

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	% by Weight	EC number	Classification
Dipropylene glycol mono-methylether	34590-94-8	40 - 50	252-104-2	Not classified.
Proprietary organic materials		50 - 60		Not classified.

See section 16 for the full text of the R-phrases declared above

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Ingestion : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Notes to physician : See section 11 for more detailed information on health effects and symptoms.

Specific treatments : For any medical advice take along this material safety data sheet.

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5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol resistant foam, CO2, powders, water spray.
Not to be used : waterjet.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

- Personal precautions** : Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
Not available.
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Europe

dipropylene glycol methyl ether

EU OEL (Europe, 4/2004). Skin Notes: Indicative

TWA: 308 mg/m³ 8 hour(s). Form: All forms

TWA: 50 ppm 8 hour(s). Form: All forms

dipropylene glycol methyl ether

Nationale MAC-lijst (Netherlands, 3/2005). Notes: Administrative

TGG: 300 mg/m³ 8 hour(s). Form: All forms

TGG: 50 ppm 8 hour(s). Form: All forms

- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Eye protection :

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8. Exposure controls/personal protection

- Hand protection** : For prolonged or repeated handling, use gloves: nitrile.
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
- Article code number Océ** :
- Respiratory protection** : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
- Article code number Océ** :
- Skin protection** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

- Physical state** : Liquid.
- Odour** : Slight.
- Boiling point** : The lowest known value is 208.89°C (408°F) (dipropylene glycol methyl ether).
- Vapour pressure** : >101.3 kPa (>760 mmHg) (at 20°C)
- Flash point** : Closed cup: 71°C (159.8°F).
- Viscosity** : Not available.
- Relative density** : The only known value is 0.95 (Water = 1) (dipropylene glycol methyl ether).
- Vapour density** : The highest known value is 5.11 (Air = 1) (dipropylene glycol methyl ether).
- Explosion Limits** : The greatest known range is LOWER: 1.1% UPPER: 14% (dipropylene glycol methyl ether)
- Solubility** : Soluble in water .
: Liquid 100%

10. Stability and reactivity

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

Hazardous Decomposition Products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials in order to avoid strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

11. Toxicological information

There are no data available on the preparation itself. The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

Acute toxicity

Product/ingredient name	Test	Result	Route	Species
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11. Toxicological information

dipropylene glycol methyl ether LD50 7500 mg/kg Oral Dog

Carcinogenicity Not available.

Mutagenicity : Not available.

Reproductive toxicity No known significant effects or critical hazards.

Over-exposure signs/symptoms

Other adverse effects :

12. Ecological information

There are no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

European waste catalogue (EWC) : 08.03.12 waste ink containing dangerous substances

Waste code Océ-Venlo (NL) : Not available.

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.

Sea

Marine pollutant : No.

Air

Special provisions : Not available.

The "viscosity exemption" provisions do not apply to air transport.

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

Transport Information Océ-Venlo (NL) : Not available.

15. Regulatory information

EU regulations

Risk phrases : This product is not classified according to the EU regulations.

Product use : Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Industrial applications.

Other EU regulations

Additional warning phrases : Safety data sheet available for professional user on request.

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16. Other information

History

Date of previous issue : No Previous Validation.

Version : 1

This safety data sheet has been compiled to the best of our knowledge as a compact guide to safe handling of this product. We reserve the right to revise safety data sheets as new information becomes available. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary and to contact the company to make sure that this sheet is the latest one issued. If and insofar as limitation of liability is permitted under the applicable laws, we do not accept liability for any inaccuracy that may occur in this information.

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