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Safety Data Sheet dated 15/11/2006, version 15

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Trade name: LG 9852  
Trade code: VELG9852  
Product type and use: Screen printing medium  
Seller:

Smaltochimica S.p.A.  
Via del Crociale, 52  
41042 - Spezzano di Fiorano (MO)  
ITALY  
Tel. +39 0536 845055 Fax +39 0536 843600

Emergency telephone number of the company:  
Smaltochimica S.p.A. Tel. +39 0536 845055 Fax +39 0536 843600

The product is notified to Italian Istituto Superiore di Sanità, Archivio Preparati Pericolosi  
([www.preparatipericolosi.iss.it](http://www.preparatipericolosi.iss.it))

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical characterization: Aqueous solution of glycols and polymers  
Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:  
40% - 50% Diethylenic glycol  
INDEX: 603-140-00-6 CAS: 111-46-6  
Xn; R22

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**3. HAZARDS IDENTIFICATION**

The product is harmful following acute exposure to it and poses a serious health threat if ingested.

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**4. FIRST AID MEASURES**

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

In case of contact, flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

Swallowing:

Get medical attention immediately, showing this product label and the safety data sheet.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

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**5. FIRE-FIGHTING MEASURES**

Recommended extinguishers:

Water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Special fire fighting procedures:

None in particular.

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**6. ACCIDENTAL RELEASE MEASURES**

Measures for personal safety:

Use gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

After the product has been recovered, rinse the area and materials involved with water.

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## 7. HANDLING AND STORAGE

Handling precautions:

Do not eat or drink while working.

Avoid when possible the direct contact with the product.

To contain and to avoid exposure look at paragraph 8.

Incompatible materials:

None in particular.

Storage conditions:

Conserve the product in the original package, always seal closed.

Instructions as regards storage premises:

Adequately ventilated premises.

Grant a general or localized ventilation in order to keep the concentration of the vapours under the limits for the exposure.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled to keep the exposure levels under the exposure limits.

Respiratory protection:

Not needed for normal use.

In particular working situations (for example cleaning, maintenances), where anomalous exposures are possible, use masks or semi-masks suitable for dusts, or provided with filter for organic vapours, according to the product nature. With reference to the rules UNI EN 149 (dusts), and UNI EN 371 (organic vapours).

Protection for hands:

Use protective gloves, (for example PVC, neoprene, rubber). The duration limit of the constitutive material has to consider the exposure entity and duration. With reference to the rules UNI EN 374-1, 374-2, 374-3.

Eye protection:

Not needed for normal use. In case of operations that could cause accidental contacts with eyes, use glasses or protective fencing-masks. With reference to the rule UNI EN 166.

Protection for skin:

No special precaution must be adopted for normal use.

Exposure limit(s) (ACGIH):

None.

Exposure limit(s) (Dir. 2000/39/CE):

None

Control the environmental exposure.

The localized ventilation systems have to be equipped with the proper filtering installations for the polluting agents before the emission in the atmosphere, according to the reference rule (DPR 203/88).

Waters containing product or residue, have to be gathered and not directed to the sewerages or waterworks, without a preventive authorization, according to the reference rule (DLgs 152/99).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: opalescent liquid

Odour: light

pH: 7-8

Melting point: n.a.

Boiling point: >100°C

Flash point: >100°C

Explosive properties: not explosive

Oxidizing properties: not oxidizing

Vapour pressure: n.d.

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Relative density: approx. 1.09  
Solubility in water: soluble  
Partition c. (n-octanol/H<sub>2</sub>O): n.d.  
Vapour density: n.d.

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10. STABILITY AND REACTIVITY

Conditions to avoid:  
Stable under normal conditions.  
Substances to avoid:  
None in particular.  
Hazardous decomposition products:  
None.

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11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.  
Set out below is the toxicological information relating to the main substances in the preparation.  
Diethylenic glycol  
LD 50 oral rat: 14800-20700 mg/Kg  
LD 50 skin rabbit: 11890 mg/Kg

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12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.  
No data has been established for the product as a whole.  
Known data are reported for the main components of the product.

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13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION

Directive 1999/45/CE  
Symbols:  
Xn Harmful  
R Phrases:  
R22 Harmful if swallowed.  
Contents:  
Diethylenic glycol

Where applicable, refer to the following regulatory provisions :

Directive 92/32/CEE  
Directive 2004/73/CE  
Directive 2001/58/CE  
Directive 98/24/CE  
Directive 2000/39/CE

Directive 2000/39/CE  
Directive 91/271/EEC - 91/676/EEC  
Directive 2003/15/CE  
Directive 80/779/EEC - 82/884/EEC - 84/360/EEC - 84/203/EEC

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Directive : 89/391/EEC - 89/654/EEC - 89/655/EEC - 89/656/EEC - 90/269/EEC - 90/270/EEC - 90/394/EEC -  
90/679/EEC - 93/88/EEC - 95/63/EC - 97/42/EC - 98/24/EC - 99/38/EC - 99/92/CE - 2001/45/CE - 2003/10/CE -  
2003-18-CE  
Directive 91/156/EEC - 91/689/EEC - 94/62/EC  
Directive 76/769/EEC  
Directive 1999/13/CE

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16. OTHER INFORMATION

Text of R phrases referred to under heading 2:  
R22 Harmful if swallowed.

Main bibliographic sources:

ECB-IUCLID Chemical data sheet  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold  
ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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