

Material Safety Data Sheet

According to 2001/58/EC

Printing date 17.01.2006

version n° 4

Reviewed on 17.01.2006



1 Identification of substance:

- **Product details:**
- **Trade name:** **SILOMAC**
- **Application of the substance / the preparation** Solvents
- **Manufacturer/Supplier:**
KERAKOLL S.p.A.
Via dell'Artigianato, 9
41049 Sassuolo (MODENA) ITALY
Tel. +39 0536 816511
Fax. +39 0536 816581
- **Informing department:** Product safety department.

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture consisting of the following components.

- Dangerous components:

| | | | |
|-------------------------------------|---------------------------------|---|--------|
| CAS: 123-86-4 EINECS: 204-658-1 | n-butyl acetate | R 10-66-67 | 25-50% |
| CAS: 108-65-6 EINECS: 203-603-9 | 2-methoxy-1-methylethyl acetate |  Xi; R 10-36 | 25-50% |
| CAS: 107-98-2 EINECS: 203-539-1 | 1-methoxypropan-2-ol | R 10 | 25-50% |
| CAS: 1589-47-5 EINECS: 216-455-5 | 2-methoxypropanol |  T; R 61-10-37/38-41 | < 0.5% |

3 Hazards identification

- Hazard designation:



Xi Irritant

- Information pertaining to particular dangers for man and environment

R 10 Flammable.
R 36 Irritating to eyes.

- Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, sand, extinguishing powder. Do not use water.
Foam

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- **For safety reasons unsuitable extinguishing agents** Water.
- **Additional information**
Cool endangered containers with water spray jet.
Collect contaminated fire fighting water separately. It must not enter drains.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Use only in well ventilated areas.
Store in cool, dry place in tightly closed containers.
Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Protect from heat.
- **Storage**
- **Requirements to be met by storerooms and containers:**
No special requirements.
Suitable measures must be taken to contain the product in case of accidental pouring.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store container in a well ventilated position.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

123-86-4 n-butyl acetate (25-50%)

| | |
|-----|---|
| WEL | Short-term value: 966 mg/m ³ , 200 ppm |
| | Long-term value: 724 mg/m ³ , 150 ppm |

108-65-6 2-methoxy-1-methylethyl acetate (25-50%)

| | |
|-----|---|
| WEL | Short-term value: 548 mg/m ³ , 100 ppm |
| | Long-term value: 274 mg/m ³ , 50 ppm |

107-98-2 1-methoxypropan-2-ol (25-50%)

| | |
|-----|---|
| WEL | Short-term value: 560 mg/m ³ , 150 ppm |
| | Long-term value: 375 mg/m ³ , 100 ppm |

- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **Personal protective equipment**
- **General protective and hygienic measures**
Avoid contact with the eyes and skin.
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
Use breathing protection in case of insufficient ventilation.
Filter A/P2.
- **Protection of hands:**
Protective gloves.
Solvent resistant gloves
- **Material of gloves** PVA gloves
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- General Information

| | |
|----------------|----------------|
| Form: | Fluid |
| Colour: | Colourless |
| Odour: | Characteristic |

- Change in condition

| | |
|-------------------------------------|----------------|
| Melting point/Melting range: | Not determined |
| Boiling point/Boiling range: | 120°C |

- **Flash point:** 31°C

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

- **Density at 20°C** 0.91 g/cm³

- Solubility in / Miscibility with

| | |
|--------------------------|----------------------------------|
| Water: | Not miscible or difficult to mix |
| Organic solvents: | 99.9 % |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with strong oxidizing agents
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

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- Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information:**- General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.

13 Disposal considerations**- Product:****- Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:**- Recommendation:**

Disposal must be made according to official regulations.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information**- Land transport ADR/RID (cross-border)**

- ADR/RID-GGVS/E Class: 3 Flammable liquids.

- Kehler Number: 30

- UN-Number: 1263

- Packaging group: III

- Label: 3

- Designation of goods: 1263 PAINT RELATED MATERIAL, special provision 640E

- Maritime transport IMDG:

- IMDG Class: 3

- UN Number: 1263

- Label: 3

- Packaging group: III

- EMS Number: F-E,S-E

- Marine pollutant: No

- Correct technical name: PAINT RELATED MATERIAL

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- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label: 3
- Packaging group: III
- Correct technical name: PAINT RELATED MATERIAL

15 Regulatory information

- Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

- Code letter and hazard designation of product:



Xi Irritant

- Risk phrases:

10 Flammable.
36 Irritating to eyes.

- Safety phrases:

24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- National regulations

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information:

- Relevant R-phrases

10 Flammable.
36 Irritating to eyes.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
61 May cause harm to the unborn child.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

- **Contact:** Dr. G. Ghirardini c/o Kerakoll S.p.A. tel. +39 0536 816511 fax +39 0536 816581

- Others regulations

The safety data sheet has been drawn up in accordance with European directives 1999/45/EC, 2001/58/EC, 2001/59/EC and 2001/60/EC.

- * **Data compared to the previous version altered.**