

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 25.10.2007

version n° 2

Revision: 25.10.2007

1 Identification of substance:

- **Product details:**
- **Trade name:** ***SLC L34 PARTE A***
- **Article number:** 10077/2
- **Application of the substance / the preparation** Epoxy resin adhesive
- **Manufacturer/Supplier:**
KERAKOLL S.p.A.
Via dell'Artigianato, 9
41049 Sassuolo (MODENA) ITALY
Tel. +39 0536 816511 Fax. +39 0536 816581
safety@kerakoll.com
- **Informing department:** Product safety department
- **Emergency information:** +39-0536-816511

2 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.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains epoxy constituents. See information supplied by the manufacturer.

- **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.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) Xi, N; R 36/38-43-51/53	2.5-10%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Xi, F; R 11-36-66-67	2.5-10%
CAS: 68609-97-2 EINECS: 271-846-8	C12-C14 Glicidil-ether aliphatic Xi; R 38-43	1-2.5%
CAS: 25154-52-3 EINECS: 246-672-0	nonylphenol C, Xn, N; R 22-34-62-50/53-63	< 0.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** Take affected persons into the open air.
- **After inhalation**
Supply fresh air and call for doctor for safety reasons.

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- In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**
If skin irritation continues, consult a doctor.
Instantly wash with water and soap and rinse thoroughly.
Instantly rinse with water.
 - **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
 - **After swallowing** In case of persistent symptoms consult doctor.
 - **Information for doctor**
 - **The following symptoms may occur:**
Sickness
Allergic reactions

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information**
Cool endangered containers with water spray jet.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter drains.

6 Accidental release measures

- **Person-related safety precautions:**
Use breathing protection against the effects of fumes/dust/aerosol.
Ensure adequate ventilation
- **Measures for environmental protection:**
Inform respective authorities in case product reaches water or sewage system.
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:**
Store in cool, dry place in tightly closed containers.
Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in unopened original containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store container in a well ventilated position.
Protect from frost.
Keep container tightly sealed.

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Store in cool, dry conditions in well sealed containers.

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:**

Calcium carbonate (50-100%)

OEL	Short-term value: 10 mg/m ³ Long-term value: 6 mg/m ³
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84-69-5 diisobutyl phthalate (2.5-10%)

WEL	Long-term value: 5 mg/m ³
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141-78-6 ethyl acetate (2.5-10%)

WEL	Short-term value: 400 ppm Long-term value: 200 ppm
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64-17-5 ethanol (< 0.5%)

WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures**

Do not eat, drink or smoke while working.
Apply solvent resistant clothing before beginning work.
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **Protection of hands:**

Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

PVC gloves
Rubber 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:** Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	Beige
Odour:	Characteristic

- **Change in condition**

Melting point/Melting range: Not determined
Boiling point/Boiling range: 300°C

- **Flash point:** > 100°C

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

- **Danger of explosion:** Product is not explosive.

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- Density at 20°C	1.65 g/cm ³
- Solubility in / Miscibility with Water:	Not miscible or difficult to mix
- Viscosity:	
dynamic at 20°C:	80000 mPas
Organic solvents:	2.0 %

10 Stability and reactivity

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

11 Toxicological information

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

84-69-5 diisobutyl phthalate

Oral	LD50	15000 mg/kg (rat)
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- Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritant effect.

- **Sensitization:** Sensitization possible by skin contact.

- 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

- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information:

- Ecotoxicological effects:

- **Remark:** Harmful to fish

- General notes:

Harmful to aquatic organisms

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

After prior treatment product has to be disposed of in an incinerator for hazardous waste under adherence to the regulations pertaining to the disposal of particularly hazardous waste.

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

- Uncleaned packagings:

- Recommendation:

Packaging can be reused or recycled after cleaning.

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Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVS/E Class: -
- Maritime transport IMDG:
- IMDG Class: -
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

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

- Hazard-determining components of labelling:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
C12-C14 Glicidil-ether aliphatic

- Risk phrases:

- 36/38 Irritating to eyes and skin.
- 43 May cause sensitisation by skin contact.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- Safety phrases:

- 2 Keep out of the reach of children.
- 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.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 37/39 Wear suitable gloves and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.

- Special designation of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

- National regulations

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

16 Other information:

- Relevant R-phrases

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 36/38 Irritating to eyes and skin.

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- 38 Irritating to skin.
- 43 May cause sensitisation by skin contact.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 62 Possible risk of impaired fertility.
- 63 Possible risk of harm to the unborn child.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

- **Department issuing data specification sheet:** SSP

- **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.**

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