

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

## 1 Identification of substance:

- **Product details:**
- **Trade name:** *SLC EP21 - A*
- **Application of the substance / the preparation**  
Epoxy impregnation  
Priming
- **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  
N Dangerous for the environment

- **Information pertaining to particular dangers for man and environment**

R 36/38 Irritating to eyes and skin.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic 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:**

Resin mixture.

Mixture consisting of the following components.

- **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	50-100%
CAS: 28064-14-4	Prod.of react.bisphenol F and epichlorhidrin Xi,  N; R 36/38-43-51/53	10-25%
CAS: 68609-97-2 EINECS: 271-846-8	C12-C14 Glicidil-ether aliphatic Xi; R 38-43	10-25%
CAS: 71302-91-5	\Hydrocarbon C9 Xn; R 22	2.5-10%

GB

(Contd. on page 2)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

Trade name: **SLC EP21 - A**

(Contd. of page 1)

## 4 First aid measures

### - General information

Instantly remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons into the open air.

Take affected persons out of danger area and instruct to lie down.

### - After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

Supply fresh air.

### - After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

### - 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.

### - Information for doctor

#### - The following symptoms may occur:

Headache

Dizziness

Allergic reactions

Sickness

## 5 Fire fighting measures

### - Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Foam

Use fire fighting measures that suit the environment.

### - For safety reasons unsuitable extinguishing agents

Water with a full water jet.

### - Special hazards caused by the material, its products of combustion or resulting gases:

Can be released in case of fire

Carbon monoxide (CO)

Formation of toxic gases is possible during heating or in case of fire.

### - Protective equipment:

Put on breathing apparatus.

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:

Bring persons out of danger.

Ensure adequate ventilation

Keep away from ignition sources

Use breathing protection against the effects of fumes/dust/aerosol.

### - Measures for environmental protection:

Prevent material from reaching sewage system, holes and cellars.

Do not allow product to reach sewage system or water bodies.

(Contd. on page 3)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

Trade name: **SLC EP21 - A**

(Contd. of page 2)

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).

Dispose of contaminated material as waste according to item 13.

Collect mechanically.

**- 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.

Keep away from heat and direct sunlight.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

**- Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**- Storage**

**- Requirements to be met by storerooms and containers:**

Store in cool location.

Store only in unopened original containers.

**- Information about storage in one common storage facility:**

Store away from oxidizing agents.

Store away from foodstuffs.

**- Further information about storage conditions:**

Protect from frost.

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

**- Personal protective equipment**

**- General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Keep away from foodstuffs, beverages and food.

Do not eat, drink or smoke while working.

Apply solvent resistant clothing before beginning work.

(Contd. on page 4)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

Trade name: **SLC EP21 - A**

(Contd. of page 3)

- **Breathing equipment:**  
Breathing protection recommended.  
Filter A/P2.
- **Protection of hands:** Protective gloves.
- **Material of gloves**  
Rubber gloves  
PVC 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

<b>Form:</b>	Fluid
<b>Colour:</b>	Light yellow
<b>Odour:</b>	Recognizable

### - Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined

- **Flash point:** 177°C

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

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

- **Density at 20°C** 1.1 g/cm<sup>3</sup>

### - Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix

- **pH-value at 20°C:** 6.8

- **Organic solvents:** 0.0 %

## 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:

Irritant gases/vapours

Carbon monoxide and carbon dioxide

## 11 Toxicological information

### - Acute toxicity:

### - Primary irritant effect:

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

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

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

(Contd. on page 5)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

Trade name: **SLC EP21 - A**

(Contd. of page 4)

**- 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:

**- General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## 13 Disposal considerations

**- Product:****- Recommendation**

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

Must be specially treated under adherence to official regulations.

**- Uncleaned packagings:****- Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

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

Disposal must be made according to official regulations.

## 14 Transport information

**- Land transport ADR/RID (cross-border)**

**- ADR/RID-GGVS/E Class:** 9 Miscellaneous dangerous substances and articles.

**- Kehler Number:** 90

**- UN-Number:** 3082

**- Packaging group:** III

**- Label** 9

**- Designation of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(reaction product, Prod.of react.bisphenol F and epichlorhidrin)

**- Maritime transport IMDG:**

**- IMDG Class:** 9

**- UN Number:** 3082

**- Label** 9

**- Packaging group:** III

(Contd. on page 6)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

Trade name: **SLC EP21 - A**

(Contd. of page 5)

- **EMS Number:** F-A,S-F  
 - **Marine pollutant:** Yes  
 - **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (reaction product, Prod.of react.bisphenol F and epichlorhidrin)

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 9  
 - **UN/ID Number:** 3082  
 - **Label** 9  
 - **Packaging group:** III  
 - **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (reaction product, Prod.of react.bisphenol F and epichlorhidrin)

- **Transport/Additional information:** Not dangerous according to the above specifications.

## 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  
 N Dangerous for the environment

- **Hazard-determining components of labelling:**

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)  
 Prod.of react.bisphenol F and epichlorhidrin  
 C12-C14 Glicidil-ether aliphatic

- **Risk phrases:**

36/38 Irritating to eyes and skin.  
 43 May cause sensitisation by skin contact.  
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**

2 Keep out of the reach of children.  
 24 Avoid contact with skin.  
 37 Wear suitable gloves.  
 46 If swallowed, seek medical advice immediately and show this container or label.  
 57 Use appropriate container to avoid environmental contamination.

- **Special designation of certain preparations:**

Contains epoxy constituents. See information supplied by the manufacturer.

- **National regulations**- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

GB

(Contd. on page 7)

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 30.01.2008

version n° 1

Revision: 20.06.2007

Trade name: **SLC EP21 - A**

(Contd. of page 6)

**16 Other information:****- Relevant R-phrases**

- 22 Harmful if swallowed.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 43 May cause sensitisation by skin contact.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**- 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.**

GB