1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: TECRYL SA-26/NK3
- Article number: 662057
- Application of the substance / the preparation: Wetting agent
- Manufacturer/Supplier: Trüb Emulsions Chemie AG
  Schmydersäcker 454
  CH-8262 Ransenz
  Telefon: 0041 52 742 8383
  Telefax: 0041 52 742 8380
  E-Mail: info@trueb-chemie.com
  Internet: www.trueb-chemie.com

- Further information obtainable from: Dept. Product Safety / Quality Assurance
  tw@trueb-chemie.com

- Information in case of emergency: Trüb Emergency Information Dept.
  Monday to Thursday from
  7.00 - 12.00 and 13.00 - 17.00
  Friday from
  7.00 - 12.00 and 13.00 - 16.00
  Call: 0041 52 742 8389

2 Hazards identification

- Hazard description: Xi Irritant

- Information concerning particular hazards for human 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 according to the latest editions of the EU-lists, and extended by company and literature data.

- GHS label elements Warning
  3.2/2 - Causes skin irritation.
  3.3/2A - Causes serious eye irritation.
  3.4/1 - May cause an allergic skin reaction.
  4.1/3 - Harmful to aquatic life with long lasting effects.

- Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray.
  Wash thoroughly after handling.

(Contd. on page 2)
Trade name: TECRYL SA-26/NK3

(Contd. of page 1)

· Response:
  IF ON SKIN: Wash with plenty of soap and water.
  IF IN EYES: Rinse cautiously with water for several minutes.
  Remove contact lenses, if present and easy to do. Continue rinsing.
  Specific treatment (see label).
  If skin irritation occurs: Get medical advice/attention.
  If skin irritation or rash occurs: Get medical advice/attention.
  If eye irritation persists: Get medical advice/attention.
  Take off contaminated clothing and wash before reuse.
  Wash contaminated clothing before reuse.

· Disposal:
  Dispose of contents/container in accordance with local/regional/
  national/international regulations.

3 Composition/information on ingredients

· Chemical characterization
· Description: Preparation / Mixture
· Dangerous components: Preparation / Mixture

| CAS: 25068-38-6 | reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) |
| NLP: 500-033-5 | 2.5-10% |
| Warning: | 3.3/2, 5.3/2A, 3.4/S1 |
| 4.1.C/2 |

· Additional information: For the wording of the listed risk phrases refer to section 16. The DMSO-extract according to IP 346 of dangerous ingredients is less than 3 %. Therefor RL 67/548/EWG, Appendix I, Remark L is fullfilled. So the product has not to be labelled.

4 First aid measures

· After inhalation: Supply fresh air and to be sure call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.
· After skin contact: Immediately wash with water and soap and rinse thoroughly.
· After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing: If symptoms persist consult doctor.

5 Fire-fighting measures

· Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· Protective equipment: No special measures required.

(Contd. on page 3)
### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special requirements.
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** Not required.
  - **Information about storage in one common storage facility:** Protect from frost. Keep container tightly sealed. Protect from contamination.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients 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 valid during the making were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
  - **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - **Protection of hands:** Protective gloves
9 Physical and chemical properties

- **General Information**
  - **Form:** Fluid
  - **Colour:** White to slightly opaque
  - **Odour:** Characteristic

- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.

- **Self-igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density at 20°C:** 1 g/cm³

- **Solubility in / Miscibility with water:** Fully miscible.

- **pH-value at 20°C:** 4.8-5.2

- **Viscosity:**
  - **Dynamic at 20°C:** max. 200 mPas

- **Solvent content:**

- **Solids content:** 40.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Dangerous reactions:** No dangerous reactions known.

- **Dangerous decomposition products:**
  - Irritant gases/vapours
  - Carbon monoxide and carbon dioxide

11 Toxicological information

- **Acute toxicity:**
  - **Primary irritant effect:** Irritant to skin and mucous membranes.
  - **on the skin:** Irritating effect.
  - **on the eye:** 

(Contd. on page 5)
<table>
<thead>
<tr>
<th>Trade name: TECRYL SA-26/NK3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitization: Sensitization possible through skin contact.</td>
</tr>
<tr>
<td>Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant</td>
</tr>
<tr>
<td>Sensitisation: May cause sensitisation by skin contact.</td>
</tr>
</tbody>
</table>

### 12 Ecological information

- Ecotoxic effects: Harmful to fish
- Remark: The product contains materials that are harmful to the environment.
- 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 course or sewage system.
  - Harmful to aquatic organisms

### 13 Disposal considerations

- Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- Uncleaned packaging: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

### 14 Transport information

- Land transport ADR/RID (cross-border): -
- ADR/RID class: -
- Maritime transport IMDG: -
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR: -
- ICAO/IATA Class: -
- UN "Model Regulation": -

### 15 Regulatory information

- Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. (Contd. on page 6)
Trade name: TECRYL SA-26/NK3

- 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)
- 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: 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
  24 Avoid contact with skin.
  37/39 Wear suitable gloves and eye/face protection.
  61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- Special labelling of certain preparations: Contains epoxy constituents. See information supplied by the manufacturer.

*16 Other information*

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-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.
- Department issuing MSDS: Dept. Product Safety / Quality Assurance
- Contact: Mr. Worbs
- Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  ICAO: International Civil Aviation Organization
  ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
  GHS: Globally Harmonized System of Classification and Labelling of Chemicals

* Data compared to the previous version altered.