



## Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 12

SDS No. : 398830  
V001.3

LOCTITE STYCAST ES 2505 PTA

Revision: 30.05.2015  
printing date: 24.11.2019  
Replaces version from: 18.02.2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

LOCTITE STYCAST ES 2505 PTA

#### Contains:

Reaction product: bisphenol-A-(epichlorohydrin); epoxy resin (number average molecular weight  $\leq 700$ )  
RP Bisphenol F-epichlorohydrin resin,  $MW \leq 700$   
4,4'-Methylenediphenol, polymer with 1-chloro-2,3-epoxypropane  
Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:  
Adhesive

#### 1.3. Details of the supplier of the safety data sheet

Henkel Belgium N.V.  
Esplanade 1  
1020 Brussels

Belgium

Phone: +32 (2) 421 2711  
Fax-no.: +32 (2) 420 7025

ua-productsafety.uk@uk.henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

|   |            |
|---|------------|
| Skin irritation                                       | Category 2 |
| H315 Causes skin irritation.                          |            |
| Serious eye irritation                                | Category 2 |
| H319 Causes serious eye irritation.                   |            |
| Skin sensitizer                                       | Category 1 |
| H317 May cause an allergic skin reaction.             |            |
| Chronic hazards to the aquatic environment            | Category 2 |
| H411 Toxic to aquatic life with long lasting effects. |            |

#### 2.2. Label elements

##### Label elements (CLP):

**Hazard pictogram:****Signal word:**

Warning

**Hazard statement:**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement:**  
**Prevention**

P273 Avoid release to the environment.  
P280 Wear protective gloves.

**Precautionary statement:**  
**Response**

P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**2.3. Other hazards**

None if used properly.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.   | EC Number<br>REACH-Reg No.                 | content    | Classification   |
|---|--|------------|--|
| Reaction product: bisphenol-A-<br>(epichlorhydrin); epoxy resin (number<br>average molecular weight <= 700)<br>25068-38-6 | 500-033-5<br>500-033-5<br>01-2119456619-26 | 20- 40 %   | Skin Irrit. 2<br>H315<br>Skin Sens. 1<br>H317<br>Eye Irrit. 2<br>H319<br>Aquatic Chronic 2<br>H411 |
| RP Bisphenol F-epichlorohydrin resin,<br>MW<=700<br>28064-14-4  | 01-2119454392-40                           | 5- < 10 %  | Skin Irrit. 2<br>H315<br>Skin Sens. 1<br>H317<br>Aquatic Chronic 2<br>H411                         |
| 4,4'-Methylenediphenol, polymer with 1-<br>chloro-2,3-epoxypropane<br>42423-25-6  | 500-108-2                                  | 0,1- < 1 % | Aquatic Chronic 2<br>H411<br>Eye Irrit. 2<br>H319<br>Skin Irrit. 2<br>H315<br>Skin Sens. 1<br>H317 |
| Oxirane, mono[(C12-14-alkyloxy)methyl]<br>derivates<br>68609-97-2   | 271-846-8<br>01-2119485289-22              | 0,1- < 1 % | Skin Irrit. 2<br>H315<br>Skin Sens. 1<br>H317  |

For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

#### Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

#### Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

#### Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

SKIN: Redness, inflammation.

SKIN: Rash, Urticaria.

EYE: Irritation, conjunctivitis.

### 4.3. Indication of any immediate medical attention and special treatment needed

See section: Description of first aid measures

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

water, carbon dioxide, foam, powder

#### Extinguishing media which must not be used for safety reasons:

High pressure waterjet

### 5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) can be released.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

#### Additional information:

In case of fire, keep containers cool with water spray.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Wear protective equipment.

### 6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

### 6.3. Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

### 6.4. Reference to other sections

See advice in section 8

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Avoid skin and eye contact.  
See advice in section 8

## Hygiene measures:

Good industrial hygiene practices should be observed.  
Wash hands before work breaks and after finishing work.  
Do not eat, drink or smoke while working.

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure good ventilation/extraction.  
Keep container tightly sealed.  
Refer to Technical Data Sheet

**7.3. Specific end use(s)**

Adhesive

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**

Valid for  
Great Britain

None

**Predicted No-Effect Concentration (PNEC):**

| Name on list   | Environmental Compartment    | Exposure period | Value |     |              |               | Remarks |
|--|------------------------------|-----------------|-------|-----|--------------|---------------|---------|
|  |                              |                 | mg/l  | ppm | mg/kg        | others        |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | aqua (freshwater)            |                 |       |     |              | 0,006 mg/L    |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | aqua (marine water)          |                 |       |     |              | 0,0006 mg/L   |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | aqua (intermittent releases) |                 |       |     |              | 0,018 mg/L    |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | STP                          |                 |       |     |              | 10 mg/L       |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | sediment (freshwater)        |                 |       |     | 0,996 mg/kg  |               |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | sediment (marine water)      |                 |       |     | 0,0996 mg/kg |               |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | soil                         |                 |       |     | 0,196 mg/kg  |               |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | oral                         |                 |       |     |              | 11 mg/kg food |         |

**Derived No-Effect Level (DNEL):**

| Name on list   | Application Area   | Route of Exposure | Health Effect                                | Exposure Time | Value              | Remarks |
|--|--------------------|-------------------|--|---------------|--------------------|---------|
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | Workers            | Dermal            | Acute/short term exposure - systemic effects |               | 8,33 mg/kg bw/day  |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | Workers            | Inhalation        | Acute/short term exposure - systemic effects |               | 12,25 mg/m3        |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | Workers            | Dermal            | Long term exposure - systemic effects        |               | 8,33 mg/kg bw/day  |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | Workers            | Inhalation        | Long term exposure - systemic effects        |               | 12,25 mg/m3        |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | general population | Dermal            | Acute/short term exposure - systemic effects |               | 3,571 mg/kg bw/day |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | general population | Dermal            | Long term exposure - systemic effects        |               | 3,571 mg/kg bw/day |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | general population | Inhalation        | Acute/short term exposure - systemic effects |               | 0,75 mg/m3         |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | general population | Inhalation        | Long term exposure - systemic effects        |               | 0,75 mg/m3         |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | general population | oral              | Acute/short term exposure - systemic effects |               | 0,75 mg/kg bw/day  |         |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 | general population | oral              | Long term exposure - systemic effects        |               | 0,75 mg/kg bw/day  |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

**Skin protection:**

Wear suitable protective clothing.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |                                    |
|--|------------------------------------|
| Appearance                             | liquid<br>black                    |
| Odor                                   | mild                               |
| Odour threshold                        | No data available / Not applicable |
| pH                                     | No data available / Not applicable |
| Initial boiling point                  | No data available / Not applicable |
| Flash point                            | > 93 °C (> 199.4 °F)               |
| Decomposition temperature              | No data available / Not applicable |
| Vapour pressure                        | No data available / Not applicable |
| Density                                | 1,53 g/cm <sup>3</sup>             |
| ( $\rho$ )                             |                                    |
| Bulk density                           | No data available / Not applicable |
| Viscosity                              | No data available / Not applicable |
| Viscosity (kinematic)                  | No data available / Not applicable |
| Explosive properties                   | No data available / Not applicable |
| Solubility (qualitative)               | No data available / Not applicable |
| Solidification temperature             | No data available / Not applicable |
| Melting point                          | No data available / Not applicable |
| Flammability                           | No data available / Not applicable |
| Auto-ignition temperature              | No data available / Not applicable |
| Explosive limits                       | No data available / Not applicable |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Evaporation rate                       | No data available / Not applicable |
| Vapor density                          | No data available / Not applicable |
| Oxidising properties                   | No data available / Not applicable |

**9.2. Other information**

No data available / Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reacts with alcohols and amines.

Reacts with oxidants, acids and lyes

Reaction with some curing agents may produce an exothermic reaction which in large masses could cause runaway polymerization.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

No decomposition if stored and applied as directed.

**10.5. Incompatible materials**

See section reactivity

**10.6. Hazardous decomposition products**

Hydrocarbons

carbon oxides.

nitrogen oxides

Rapid polymerisation may generate excessive heat and pressure.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Oral toxicity:**

May cause irritation to the digestive tract.

**Skin irritation:**

Causes skin irritation.

**Eye irritation:**

Causes serious eye irritation.

**Sensitizing:**

May cause an allergic skin reaction.

**Acute oral toxicity:**

| Hazardous components<br>CAS-No.   | Value<br>type | Value         | Route of<br>application | Exposure<br>time | Species | Method                                      |
|---|---------------|---------------|-------------------------|------------------|---------|---|
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin); epoxy<br>resin (number average<br>molecular weight <= 700)<br>25068-38-6 | LD50          | > 2.000 mg/kg | oral                    |                  | rat     |   |
| RP Bisphenol F-<br>epichlorohydrin resin,<br>MW<=700<br>28064-14-4  | LD50          | > 5.000 mg/kg | oral                    |                  | rat     | OECD Guideline 401 (Acute<br>Oral Toxicity) |

**Acute inhalative toxicity:**

| Hazardous components<br>CAS-No. | Value<br>type | Value | Route of<br>application | Exposure<br>time | Species | Method |
|---------------------------------|---------------|-------|-------------------------|------------------|---------|--------|
|---------------------------------|---------------|-------|-------------------------|------------------|---------|--------|

**Acute dermal toxicity:**

| Hazardous components<br>CAS-No.   | Value<br>type | Value        | Route of<br>application | Exposure<br>time | Species | Method |
|---|---------------|--------------|-------------------------|------------------|---------|--------|
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin); epoxy<br>resin (number average<br>molecular weight <= 700)<br>25068-38-6 | LD50          | 23.000 mg/kg | dermal                  |                  | rabbit  |        |

**Skin corrosion/irritation:**

| Hazardous components<br>CAS-No.   | Result              | Exposure<br>time | Species | Method  |
|---|---------------------|------------------|---------|---|
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin); epoxy<br>resin (number average<br>molecular weight <= 700)<br>25068-38-6 | slightly irritating | 4 h              | rabbit  | OECD Guideline 404 (Acute<br>Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| Hazardous components<br>CAS-No.   | Result         | Exposure<br>time | Species | Method   |
|---|----------------|------------------|---------|--|
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin); epoxy<br>resin (number average<br>molecular weight <= 700)<br>25068-38-6 | not irritating |                  | rabbit  | OECD Guideline 405 (Acute<br>Eye Irritation / Corrosion) |
| RP Bisphenol F-<br>epichlorohydrin resin,<br>MW<=700<br>28064-14-4  | not irritating |                  | rabbit  | OECD Guideline 405 (Acute<br>Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

| Hazardous components<br>CAS-No.   | Result      | Test type                                      | Species | Method  |
|---|-------------|--|---------|---|
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin); epoxy<br>resin (number average<br>molecular weight <= 700)<br>25068-38-6 | sensitising | Mouse<br>local<br>lymphnode<br>assay<br>(LLNA) | mouse   | OECD Guideline 429 (Skin<br>Sensitisation: Local Lymph<br>Node Assay) |

**Germ cell mutagenicity:**

| Hazardous components<br>CAS-No.   | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method  |
|---|----------|--|--|---------|---|
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin); epoxy<br>resin (number average<br>molecular weight <= 700)<br>25068-38-6 | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) |  |         | OECD Guideline 472 (Genetic<br>Toxicology: Escherichia coli,<br>Reverse Mutation Assay) |
| Oxirane, mono[(C12-14-<br>alkyloxy)methyl]<br>derivates<br>68609-97-2   | negative | mammalian cell<br>gene mutation assay                  |  |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)                   |
| Oxirane, mono[(C12-14-<br>alkyloxy)methyl]<br>derivates<br>68609-97-2   | negative |  |  |         | OECD Guideline 474<br>(Mammalian Erythrocyte<br>Micronucleus Test)                      |

**SECTION 12: Ecological information****General ecological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**12.1. Toxicity****Ecotoxicity:**

Toxic to aquatic life with long lasting effects.

Do not empty into drains / surface water / ground water.



| Hazardous components<br>CAS-No.   | Value<br>type | Value         | Acute<br>Toxicity<br>Study | Exposure<br>time | Species   | Method   |
|---|---------------|---------------|----------------------------|------------------|---|--|
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6  | LC50          | 1,750000 mg/l | Fish                       | 96 h             | Oncorhynchus mykiss                               | OECD Guideline 203 (Fish, Acute Toxicity Test)             |
|   | LC50          | 1,75 mg/l     | Fish                       | 96 h             | Oncorhynchus mykiss (reported as Salmo gairdneri) | OECD Guideline 203 (Fish, Acute Toxicity Test)             |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6  | NOEC          | 2,4 mg/l      | Algae                      | 72 h             | Scenedesmus capricornutum                         | OECD Guideline 201 (Alga, Growth Inhibition Test)          |
|   | EC50          | 9,4 mg/l      | Algae                      | 72 h             | Scenedesmus capricornutum                         | OECD Guideline 201 (Alga, Growth Inhibition Test)          |
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6<br>RP Bisphenol F-epichlorohydrin resin, MW<=700<br>28064-14-4 | NOEC          | 0,3 mg/l      | chronic Daphnia            | 21 d             | Daphnia magna                                     | OECD 211 (Daphnia magna, Reproduction Test)                |
|   | EC50          | 3,5 mg/l      | Daphnia                    | 48 h             | Daphnia magna                                     | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives<br>68609-97-2  | LC50          | > 1 - 10 mg/l | Fish                       | 96 h             |   | OECD Guideline 203 (Fish, Acute Toxicity Test)             |
|   | EC50          | > 1 - 10 mg/l | Daphnia                    | 48 h             | Daphnia magna                                     | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

## 12.2. Persistence and degradability

### Persistence and Biodegradability:

The product is not biodegradable.

| Hazardous components<br>CAS-No.  | Result                | Route of<br>application | Degradability | Method  |
|--|-----------------------|-------------------------|---------------|---|
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)<br>25068-38-6 |                       | aerobic                 | 5 %           | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| RP Bisphenol F-epichlorohydrin resin, MW<=700<br>28064-14-4  |                       | aerobic                 | 10 - 16 %     | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)           |
| Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives<br>68609-97-2   | readily biodegradable | aerobic                 | 87 %          | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |

## 12.3. Bioaccumulative potential / 12.4. Mobility in soil

### Mobility:

No data available.

### Bioaccumulative potential:

No data available.

## 12.5. Results of PBT and vPvB assessment

| Hazardous components<br>CAS-No. | PBT/vPvB |
|---------------------------------|----------|
|---------------------------------|----------|

|   |   |
|---|---|
| Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ )<br>25068-38-6 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| RP Bisphenol F-epichlorohydrin resin,<br>MW $\leq 700$<br>28064-14-4  | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives<br>68609-97-2  | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

#### 12.6. Other adverse effects

No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Collection and delivery to recycling enterprise or other registered elimination institution.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

**SECTION 14: Transport information****14.1. UN number**

|      |      |
|------|------|
| ADR  | 3082 |
| RID  | 3082 |
| ADN  | 3082 |
| IMDG | 3082 |
| IATA | 3082 |

**14.2. UN proper shipping name**

|      |  |
|------|--|
| ADR  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Bisphenol-A Epichlorhydrin resin,CP Phenol formaldehyde, glycidyl ether) |
| RID  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Bisphenol-A Epichlorhydrin resin,CP Phenol formaldehyde, glycidyl ether) |
| ADN  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Bisphenol-A Epichlorhydrin resin,CP Phenol formaldehyde, glycidyl ether) |
| IMDG | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Bisphenol-A Epichlorhydrin resin,CP Phenol formaldehyde, glycidyl ether) |
| IATA | Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin,CP Phenol formaldehyde, glycidyl ether)    |

**14.3. Transport hazard class(es)**

|      |   |
|------|---|
| ADR  | 9 |
| RID  | 9 |
| ADN  | 9 |
| IMDG | 9 |
| IATA | 9 |

**14.4. Packaging group**

|      |     |
|------|-----|
| ADR  | III |
| RID  | III |
| ADN  | III |
| IMDG | III |
| IATA | III |

**14.5. Environmental hazards**

|      |                  |
|------|------------------|
| ADR  | not applicable   |
| RID  | not applicable   |
| ADN  | not applicable   |
| IMDG | Marine pollutant |
| IATA | not applicable   |

**14.6. Special precautions for user**

|      |                                   |
|------|-----------------------------------|
| ADR  | not applicable<br>Tunnelcode: (E) |
| RID  | not applicable                    |
| ADN  | not applicable                    |
| IMDG | not applicable                    |
| IATA | not applicable                    |

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content &lt; 3 %

(1999/13/EC)

#### **15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

### **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

#### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**