






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

- **1.1 Product identifier**
- **Trade name: Primer-2000 S (A-Komp.)**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Primer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SCHOMBURG GmbH
Aquafinstr. 2-8
D-32760 Detmold
Germany

Tel: ++49 (0)5231/953-00
Fax: ++49 (0)5231/953-123
email: info@schomburg.de
web: www.schomburg.de
- **Informing department:**
Product Safety Department

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SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 
GHS02 flame
 Flam. Liq. 2 H225 Highly flammable liquid and vapour.
- 
GHS08 health hazard
 Repr. 2 H361d Suspected of damaging the unborn child.
- 
GHS07
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H336 May cause drowsiness or dizziness.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
- 
Xn; Harmful
 R63: Possible risk of harm to the unborn child.
- 
Xi; Irritant
 R36/38: Irritating to eyes and skin.

(Contd. on page 2)

Trade name: Primer-2000 S (A-Komp.)

(Contd. of page 1)



Xi; Sensitising

R43: May cause sensitisation by skin contact.



F; Highly flammable

R11: Highly flammable.

R52/53-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**

The product may not leak out in sewerage system, stretch of water or soil.

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.

Has a narcotising effect.

- **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.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms** GHS02, GHS07, GHS08

- **Signal word** Danger

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

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight 700 - 1100)

ethyl acetate

toluene

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

- **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Contains epoxy constituents. May produce an allergic reaction.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

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

(Contd. on page 3)

Trade name: Primer-2000 S (A-Komp.)

(Contd. of page 2)

Dangerous components:

CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate ❌ Xi R36; 🔥 F R11 R66-67 ⚠️ Flam. Liq. 2, H225; ⚠️ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 25036-25-3	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight 700 - 1100) ❌ Xi R36/38; ❌ Xi R43 ⚠️ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-25%
CAS: 108-88-3 EINECS: 203-625-9	toluene ❌ Xn R48/20-63-65; ❌ Xi R38; 🔥 F R11 R67 Repr. Cat. 3 ⚠️ Flam. Liq. 2, H225; ⚠️ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠️ Skin Irrit. 2, H315; STOT SE 3, H336	2.5-10%
CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) ❌ Xi R36/38; ❌ Xi R43; ⚠️ N R51/53 ⚠️ Aquatic Chronic 2, H411; ⚠️ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-10%

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

SECTION 4: First aid measures• **4.1 Description of first aid measures**• **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Personal protection for the First Aider.

• **After inhalation** Supply fresh air or oxygen; call for doctor.

• **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**

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

Don't cause vomiting

Show the pack or the label to the doctor.

• **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

• **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures• **5.1 Extinguishing media**• **Suitable extinguishing agents**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

• **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

• **5.2 Special hazards arising from the substance or mixture**

Formation of poisonous gases during heating or in fires.

• **5.3 Advice for firefighters**

• **Protective equipment:** Wear self-contained breathing apparatus.

• **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

(Contd. on page 4)

Trade name: Primer-2000 S (A-Komp.)

(Contd. of page 3)

Follow the emergency-plan.
Burst- and explosion-danger by increasing pressure.
In case of fire chill the container with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Store in cool, dry place in tightly closed containers.
Keep away from children.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:**
Please follow the rules of the VCI-Storage-Concept for chemicals.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
Store in a locked cabinet and out of the reach of children.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**
It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
- **141-78-6 ethyl acetate (25-50%)**
WEL Short-term value: 400 ppm
Long-term value: 200 ppm
- **108-88-3 toluene (2.5-10%)**
WEL Short-term value: 384 mg/m³, 100 ppm
Long-term value: 191 mg/m³, 50 ppm
Sk
- **Additional information:** The lists that were valid during the compilation were used as basis.

(Contd. on page 5)

Trade name: **Primer-2000 S (A-Komp.)**

(Contd. of page 4)

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Instantly remove any soiled and impregnated garments.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:** Hand Protection: Nitril-rubber-latex-gloves.
- **Material of gloves**
Butyl rubber II R: Thickness $\geq 0,5\text{mm}$; Break through time ≥ 480 min
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Light yellow
Smell:	Characteristic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	77 °C

· **Flash point:** -3 °C

· **Ignition temperature:** 460 °C
460 °C

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

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

· Critical values for explosion:

Lower:	2.1 Vol % 2,1 % (V)
Upper:	11.5 Vol % 11,5 % (V)

· **Steam pressure:** 97 hPa 20 °C

· **Density at 20 °C** 0.97 g/cm³

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix

· Viscosity:

dynamic at 20 °C: 10 mPas

(Contd. on page 6)

Trade name: Primer-2000 S (A-Komp.)

(Contd. of page 5)

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:**
- 141-78-6 ethyl acetate**
- | | | |
|------------|----------|--------------------|
| Oral | LD50 | 5600 mg/kg (rats) |
| | | >18000 mg/kg (rbt) |
| Inhalative | LC50/4 h | 1600 mg/l (rats) |
- 108-88-3 toluene**
- | | | |
|------------|----------|----------------------|
| Oral | LD50 | 5000 mg/kg (rats) |
| Dermal | LD50 | 12300 mg/kg (rabbit) |
| Inhalative | LC50 | (8h) 5320 ppm (Maus) |
| | LC50/4 h | 19 mg/l (rats) |
- 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)**
- | | | |
|--------|------|--------------------|
| Oral | LD50 | >5000 mg/kg (rats) |
| Dermal | LD50 | >2000 mg/kg (rats) |
- **Primary irritant effect:**
 - **on the skin:** Irritant for skin and mucous membranes.
 - **on the eye:** Irritant effect.
 - **Sensitisation:** 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
Sensitizing
 - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Repr. 2

GB

(Contd. on page 7)

Trade name: **Primer-2000 S (A-Komp.)**

(Contd. of page 6)

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
- 108-88-3 toluene**
LC50/96h 1-10 mg/l (fish toxicity)
- 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)**
EC50 (24h) 3.6 mg/l (Daphnia magna)
LC50 (96h) 1.5 mg/l (rainbow trout)
- **12.2 Persistence and degradability**
- 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)**
301B (Mod. Sturm) 12 % (-)
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- 108-88-3 toluene**
EC 50 6mg/l/48h mg/l (Daphnia magna)
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Water hazard class 2 (Self-assessment): hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
- 08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
- 08 04 00 wastes from MFSU of adhesives and sealants (including waterproofing products)
- 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA | UN1133 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA | 1133 ADHESIVES, special provision 640D
ADHESIVES |

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.03.2015

Version number 8

Revision: 16.03.2015

Trade name: **Primer-2000 S (A-Komp.)**

(Contd. of page 7)

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

- **ADR, IMDG, IATA**



- **Class** 3 Flammable liquids.
- **Label** 3

- **14.4 Packing group**

- **ADR, IMDG, IATA** II

- **14.5 Environmental hazards:**

- **Marine pollutant:** No

- **14.6 Special precautions for user**

- **Warning:** Flammable liquids.
- **Kemler Number:** 33
- **EMS Number:** F-E,S-D

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

- Not applicable.

- **Transport/Additional information:**

- **ADR**

- **Limited quantities (LQ)** 5L
- **Transport category** 2
- **Tunnel restriction code** D1E

- **UN "Model Regulation":** UN1133, ADHESIVES, special provision 640D, 3, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **National regulations**

- **Technical instructions (air):**

- **Class Share in %**

- **NK** 51.4

- **Water hazard class:**

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

The classification based on german instructions.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

(Contd. on page 9)

Trade name: Primer-2000 S (A-Komp.)

(Contd. of page 8)

- H411 Toxic to aquatic life with long lasting effects.
- R11 Highly flammable.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R63 Possible risk of harm to the unborn child.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

• **Department issuing data specification sheet:** Environment protection department.

• **Contact:** Mr. Guido Herfort

• **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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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