

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

Printing date 11.07.2017

Revision: 11.07.2017

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

· **1.1 Product identifier**

· **Trade name:** RESIN-Clean AM/2

· **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**

Organic solvent

Paint remover

Industrial cleaner

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Suter Kunststoffe AG

Aefligenstrasse 3

CH-3312 Fraubrunnen

Tel. : + 41 (0) 31 763 60 60

Fax : + 41 (0) 31 763 60 61

E-mail : info@swiss-composite.ch

· **Further information obtainable from:** info@swiss-composite.ch

· **1.4 Emergency telephone number:**

Tox Info Suisse

Tel. : +41 (0) 44 251 51 51 (international)

Tel. : 145 (inland)

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Repr. 1B      H360D      May damage the unborn child.



GHS05 corrosion

Skin Corr. 1B      H314      Causes severe skin burns and eye damage.



GHS07

STOT SE 3      H335      May cause respiratory irritation.

· **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** GHS05, GHS07, GHS08

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- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*lactam, 4-ethylaminobutyric acid*  
*2-aminoethanol*
- **Hazard statements**  
*H314 Causes severe skin burns and eye damage.*  
*H360D May damage the unborn child.*  
*H335 May cause respiratory irritation.*
- **Precautionary statements**  
*P260 Do not breathe mist/vapours/spray.*  
*P271 Use only outdoors or in a well-ventilated area.*  
*P303+P361+P353 IF ON SKIN (or hair): 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.*  
*P310 Immediately call a POISON CENTER/doctor.*  
*P405 Store locked up.*  
*P501 Bring contents / container back to the point of sale or to a collection point for special waste .*
- **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 of substances listed below with nonhazardous additions.*

- **Dangerous components:**

CAS: 2687-91-4	<i>lactam, 4-ethylaminobutyric acid</i>	50-100%
EINECS: 220-250-6	 <i>Repr. 1B, H360D; Eye Dam. 1, H318</i>	
CAS: 141-43-5	<i>2-aminoethanol</i>	5-25%
EINECS: 205-483-3	 <i>Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332</i>	

- **SVHC** No SVHC
- **Additional information:** *For the wording of the listed hazard phrases refer to section 16.*

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
*Take affected persons out of danger area and lay down.*  
*Position and transport stably in side position.*  
*Immediately remove any clothing soiled by the product.*  
*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*  
*In case of irregular breathing or respiratory arrest provide artificial respiration.*
- **After inhalation:**  
*In case of unconsciousness place patient stably in side position for transportation.*  
*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.*
- **After skin contact:**  
*If skin irritation continues, consult a doctor.*  
*Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:**  
*Rinse opened eye for several minutes under running water. Then consult a doctor.*

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- **After swallowing:**  
Do not induce vomiting! Rinse mouth and drink plenty of water.  
Call a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
Nausea  
Profuse sweating  
Cramp  
Dizziness
- **Information for doctor:**  
Symptomatic treatment, meaning decontamination and check of vital function
- **Hazards** Danger of gastric perforation.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Keep people at a distance and stay on the windward side.  
Particular danger of slipping on leaked/spilled product.  
Keep away from ignition sources.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Prevent from spreading (e.g. by damming-in or oil barriers).  
Keep contaminated washing water and dispose of appropriately.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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 disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.

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Use solvent-proof equipment.

Avoid contact with skin and eyes.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

**Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

When heated the product forms flammable fumes.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Provide alkali-resistant floor.

Provide solvent resistant, sealed floor.

**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Protect from humidity and water.

Keep container tightly sealed.

Store under lock and key and with access restricted to technical experts or their assistants only.

**Storage class:**

6.1c (Combustible, acute toxic cat. 3 / toxic or chronically acting hazardous substances)

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****141-43-5 2-aminoethanol**WEL Short-term value: 7.6 mg/m<sup>3</sup>, 3 ppmLong-term value: 2.5 mg/m<sup>3</sup>, 1 ppm

Sk

**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****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.

Respiratory protection recommended when the TLV limit is exceeded.

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

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**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**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.

**For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR

**Eye protection:**

Tightly sealed goggles

**Body protection: Alkaline resistant protective clothing**

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Characteristic

**pH-value:** > 12.5

**Change in condition**

<b>Melting point/freezing point:</b>	< -30 °C
<b>Initial boiling point and boiling range:</b>	170 - 240 °C

**Flash point:** 93 °C

**Ignition temperature:** > 200 °C

**Decomposition temperature:** > 100 °C

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** In general, product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	1.3 Vol %
<b>Upper:</b>	9.5 Vol %

**Vapour pressure at 20 °C:** < 1.0 hPa

**Density at 20 °C:** 0.95 - 1.05 g/cm<sup>3</sup>

**Solubility in / Miscibility with water:**

Fully miscible.

**Viscosity:**

**Dynamic at 20 °C:** 2.5 mPas

**9.2 Other information**

No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions**  
Reacts with strong acids and oxidising agents.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Do not dilute with water.  
Oxidising agent and acids

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values relevant for classification:**
- | 141-43-5 2-aminoethanol |      |                      |
|-------------------------|------|----------------------|
| Oral                    | LD50 | 1089 mg/kg (rat)     |
| Dermal                  | LD50 | >2000 mg/kg (rabbit) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
  - **Serious eye damage/irritation**  
Causes severe skin burns and eye damage.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **Acute effects (acute toxicity, irritation and corrosivity)**  
Chemical burn can be caused after massive oral intake of the substance. Additionally, gastric and intestinal damage is possible with lung, liver and heart failure.
  - **Sensitisation** The primarily intake can be done by respiratory tract.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Reprotoxic
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity**  
May damage the unborn child.
  - **STOT-single exposure**  
May cause respiratory irritation.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:**  
The product causes an alteration of the pH-value within the testing system. The result refers to the non-neutralised sample.  
After neutralisation a reduction of the harming action may be recognised
- **Other information:** Do not discharge into drains, surface waters or groundwater.

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· **Additional ecological information:**

· **General notes:**

The product should not be released into the aquatic environment without preliminary treatments (purification plant).

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **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 together with household garbage. Do not allow product to reach sewage system.

· **Waste disposal key:** LOW Code: 16 03 05 (organic wastes containing dangerous substances)

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN3267

· **14.2 UN proper shipping name**

· **ADR**

3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. mixture

· **IMDG, IATA**

CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. mixture

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class**

8 Corrosive substances.

· **Label**

8

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Warning: Corrosive substances.

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· <b>Danger code (Kemler):</b>	80
· <b>EMS Number:</b>	F-A, S-B
· <b>Segregation groups</b>	Alkalies
· <b>Stowage Category</b>	A
· <b>Stowage Code</b>	SW2 Clear of living quarters.
· <b>Segregation Code</b>	SG35 Stow "separated from" acids.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. MIXTURE, 8, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 30
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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 phrases**  
 H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H332 Harmful if inhaled.  
 H360D May damage the unborn child.
- **Department issuing SDS:** Department EHS
- **Contact:**  
 Daniela Goldinger, Phd  
 EHS  
 dgoldinger@faerber-schmid.ch

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· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*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*

*PBT: Persistent, Bioaccumulative and Toxic*

*SVHC: Substances of Very High Concern*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Repr. 1B: Reproductive toxicity – Category 1B*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

· **\* Data compared to the previous version altered.**

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