

# SAFETY DATA SHEET

CASCO EXPRESS GLAS



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

### 1.1 Product identifier

**Product name** : CASCO EXPRESS GLAS  
**Product code** : 2987  
**Product description** : Repair- and hobby adhesive.

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

#### Identified uses

Adhesive

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

Akzo Nobel Bygglim AB  
P.O. Box 11550  
100 61 Stockholm, Sweden  
Tel. +00468 7434000  
Fax. +00468 6436370

**e-mail address of person responsible for this SDS** : miljo\_bygglim@akzonobel.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Center

**Telephone number** : CALL 020-99 60 00  
(Kemiakuten, open 24 hours 7 days a week)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Xi; R36/38  
R43

**Human health hazards** : Irritating to eyes and skin. May cause sensitization by skin contact.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard symbol or symbols** :



**Indication of danger** : Irritant

**Risk phrases** : R36/38- Irritating to eyes and skin.  
R43- May cause sensitization by skin contact.

**Safety phrases** : S2- Keep out of the reach of children.  
S24/25- Avoid contact with skin and eyes.  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37- Wear suitable gloves.  
S46- If swallowed, seek medical advice immediately and show this container or label.

### 2.3 Other hazards

**Other hazards which do not result in classification** : Not available.

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## SECTION 2: Hazards identification

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Product/ingredient name   | Identifiers   | %       | Classification                           |   | Type    |
|---|---|---------|--|---|---------|
|   |   |         | 67/548/EEC                               | Regulation (EC) No. 1272/2008 [CLP]   |         |
| Aliphatic urethane acrylate                                       | CAS: proprietary  | 25 - 50 | Xi; R36                                  | Not classified.   | [1]     |
| Hydroxypropylmetakrylat   | CAS: 923-26-2   | 10 - 25 | Xi; R36<br>R43                           | Not classified.   | [1]     |
| 2-Hydroxyethylmethacrylate  | CAS: 868-77-9   | 10 - 25 | Xi; R36/38<br>R43                        | Not classified.   | [1]     |
| Aliphatic methacrylate ester                                      | CAS: proprietary  | 5 - 10  | Xi; R37                                  | Not classified.   | [1]     |
| 2-carboxyethyl acrylate   | EC: 246-359-9<br>CAS: 24615-84-7<br>Index: Selfclassified | 1 - 2.5 | C; R34                                   | Skin Corr. 1A, H314<br>Eye Dam. 1, H318   | [1]     |
| (1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)] diacrylate | EC: 256-032-2<br>CAS: 42978-66-5<br>Index: 607-249-00-X   | 0.1 - 1 | Xi; R36/37/38<br>R43<br>N; R51/53        | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Aquatic Chronic 2, H411   | [1]     |
| acrylic acid  | EC: 201-177-9<br>CAS: 79-10-7<br>Index: 607-061-00-8      | 0.1 - 1 | R10<br>Xn; R20/21/22<br>C; R35<br>N; R50 | Flam. Liq. 3, H226<br>Acute Tox. 2, H300<br>Acute Tox. 3, H311<br>Acute Tox. 4, H332<br>Skin Corr. 1A, H314<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 | [1] [2] |

See Section 16 for the full text of the R phrases or H statements declared above.

#### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : In case of contact, immediately flush eyes with plenty of water. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air.
- Skin contact** : Wash with soap and water. If the skin is glued together coax apart carefully with a knife.
- Ingestion** : Watch for an obstruction in the victim's mouth. Get medical attention.
- General information** : In all cases of doubt, or when symptoms persist, seek medical attention.

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

#### Potential acute health effects

- Eye contact** : Irritating to eyes.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Irritating to skin. May cause sensitization by skin contact.
- Ingestion** : Irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

## SECTION 4: First aid measures

- Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

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

- Hazards from the substance or mixture** : Combustible liquid.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Not applicable
- Special protective equipment for fire-fighters** : No special protection is required.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : Put on appropriate personal protective equipment.
- For emergency responders** : Put on appropriate personal protective equipment (see Section 8).

### 6.2 Environmental precautions

: Not applicable

### 6.3 Methods and materials for containment and cleaning up

- Small spill** : Let dry and gather up mechanically.
- Large spill** : Let dry and gather up mechanically. Transfer the spilled material to an appropriate waste disposal container.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Protective measures** : Design the work so direct contact is avoided. Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Thermosetting plastic legislation, should be noticed.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. See also Section 8 for additional information on hygiene measures.

- 7.2 Conditions for safe storage, including any incompatibilities** : Keep container tightly closed and sealed until ready for use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values   |
|-------------------------|---|
| Sweden<br>acrylic acid  | <b>AFS 2005:17 (Sweden, 12/2010).</b><br>STEL: 45 mg/m <sup>3</sup> 15 minute(s).<br>STEL: 15 ppm 15 minute(s).<br>TWA: 30 mg/m <sup>3</sup> 8 hour(s).<br>TWA: 10 ppm 8 hour(s). |

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

#### Derived effect levels

No DELs available.

#### Predicted effect concentrations

No PECs available.

### 8.2 Exposure controls

- Appropriate engineering controls** : Use only with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

#### Individual protection measures

- Hygiene measures** : Design the work so direct contact is avoided. Depending on handled quantities and working conditions, use following recommended protective equipment. Thermosetting plastic legislation, should be noticed.
- Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.
- Skin protection**
- Hand protection** : nitrile gloves or other recommended gloves from the supplier.
- Body protection** : Design the work so direct contact is avoided.
- Respiratory protection** : Wear appropriate respirator when ventilation is inadequate. Full mask or half-face mask, filter A, brown (solvent).
- Environmental exposure controls** : Not applicable

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

|   |                             |
|---|-----------------------------|
| <b>Physical state</b>                               | : Liquid. [Viscous liquid.] |
| <b>Color</b>  | : Colorless.                |
| <b>Odor</b>   | : Characteristic. [Slight]  |
| <b>Odor threshold</b>                               | : Not available.            |
| <b>pH</b>   | : Not available.            |
| <b>Melting point/freezing point</b>                 | : Not available.            |
| <b>Initial boiling point and boiling range</b>      | : Not available.            |
| <b>Flash point</b>                                  | : Not available.            |
| <b>Evaporation rate</b>                             | : Not available.            |
| <b>Flammability (solid, gas)</b>                    | : Not available.            |
| <b>Upper/lower flammability or explosive limits</b> | : Not available.            |
| <b>Vapor pressure</b>                               | : Not available.            |
| <b>Vapor density</b>                                | : Not available.            |
| <b>Relative density</b>                             | : 1,1                       |
| <b>Solubility(ies)</b>                              | : Not available.            |
| <b>Partition coefficient: n-octanol/water</b>       | : Not available.            |
| <b>Auto-ignition temperature</b>                    | : Not available.            |
| <b>Decomposition temperature</b>                    | : Not available.            |
| <b>Viscosity</b>                                    | : Not available.            |
| <b>Explosive properties</b>                         | : Not available.            |
| <b>Oxidizing properties</b>                         | : Not available.            |

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name  | Result      | Species | Dose        | Exposure |
|--|-------------|---------|-------------|----------|
| (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate acrylic acid | LD50 Oral   | Rat     | 6200 mg/kg  | -        |
|  | LD50 Dermal | Rabbit  | 640 mg/kg   | -        |
|  | LD50 Oral   | Rat     | 33500 ug/kg | -        |

**Conclusion/Summary** : Not available.

#### Irritation/Corrosion

| Product/ingredient name  | Result                   | Species | Score | Exposure                 | Observation |
|--|--------------------------|---------|-------|--------------------------|-------------|
| 2-carboxyethyl acrylate  | Skin - Severe irritant   | Rabbit  | -     | 500 microliters          | -           |
| (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate acrylic acid | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 100 microliters | -           |
|  | Skin - Moderate irritant | Rabbit  | -     | 500 milligrams           | -           |
|  | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 250 Micrograms  | -           |
|  | Eyes - Severe irritant   | Rabbit  | -     | 1 milligrams             | -           |
|  | Skin - Severe irritant   | Rabbit  | -     | 24 hours 5 milligrams    | -           |
|  | Skin - Severe irritant   | Rabbit  | -     | 500 milligrams           | -           |

**Conclusion/Summary** : Not available.

#### Sensitization

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Potential acute health effects

- Eye contact** : Irritating to eyes.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Irritating to skin. May cause sensitization by skin contact.
- Ingestion** : Irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

#### Potential chronic health effects

**SECTION 11: Toxicological information**

|                              |   |
|------------------------------|---|
| <b>General</b>               | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| <b>Carcinogenicity</b>       | : No known significant effects or critical hazards.   |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.   |
| <b>Teratogenicity</b>        | : No known significant effects or critical hazards.   |
| <b>Developmental effects</b> | : No known significant effects or critical hazards.   |
| <b>Fertility effects</b>     | : No known significant effects or critical hazards.   |

**SECTION 12: Ecological information****12.1 Toxicity**

**Conclusion/Summary** : Not available.

**12.2 Persistence and degradability**

**Conclusion/Summary** : Not available.

**12.3 Bioaccumulative potential**

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| acrylic acid            | 0,35               | -   | low       |

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

**12.5 Results of PBT and vPvB assessment**

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods****Product**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal should be in accordance with applicable laws and regulations. Empty packages can be left for recycling. For Sweden: Akzo Nobel Bygglim AB are connected to the REPA-system (org.nr. 556026-1876). Please contact authority for information advise on waste.

**Hazardous waste** : Non cured product is Hazardous waste and should be left to destruction according to local regulations. Cured product is not dangerous waste, and can be disposed as other waste.

**European waste catalogue (EWC)**

| Waste code | Waste designation  |
|------------|--|
| 08 04 09*  | waste adhesives and sealants containing organic solvents or other dangerous substances |

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled.

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### SECTION 13: Disposal considerations

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

### SECTION 14: Transport information

|  | ADR/RID        | ADN/ADNR       | IMDG           | IATA           |
|--|----------------|----------------|----------------|----------------|
| <b>14.1 UN number</b>                    | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| <b>14.2 UN proper shipping name</b>      | -              | -              | -              | -              |
| <b>14.3 Transport hazard class(es)</b>   | -              | -              | -              | -              |
| <b>14.4 Packing group</b>                | -              | -              | -              | -              |
| <b>14.5 Environmental hazards</b>        | No.            | No.            | No.            | No.            |
| <b>14.6 Special precautions for user</b> | Not available. | Not available. | Not available. | Not available. |
| <b>Additional information</b>            | -              | -              | -              | -              |

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

### SECTION 15: Regulatory information

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

[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorization](#)

[Substances of very high concern](#)

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**15.2 Chemical Safety Assessment** : Not applicable.

### SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number



**SECTION 16: Other information**

**Full text of abbreviated H statements** : H226 Flammable liquid and vapor.  
H300 Fatal if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**Full text of classifications [CLP/GHS]** : Acute Tox. 2, H300 ACUTE TOXICITY: ORAL - Category 2  
Acute Tox. 3, H311 ACUTE TOXICITY: SKIN - Category 3  
Acute Tox. 4, H332 ACUTE TOXICITY: INHALATION - Category 4  
Aquatic Acute 1, H400 AQUATIC TOXICITY (ACUTE) - Category 1  
Aquatic Chronic 2, H411 AQUATIC TOXICITY (CHRONIC) - Category 2  
Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3  
Skin Corr. 1A, H314 SKIN CORROSION/IRRITATION - Category 1A  
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2  
Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1  
STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3

**Full text of abbreviated R phrases** : R10- Flammable.  
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.  
R34- Causes burns.  
R35- Causes severe burns.  
R36- Irritating to eyes.  
R37- Irritating to respiratory system.  
R36/38- Irritating to eyes and skin.  
R36/37/38- Irritating to eyes, respiratory system and skin.  
R43- May cause sensitization by skin contact.  
R50- Very toxic to aquatic organisms.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications [DSD/DPD]** : C - Corrosive  
Xn - Harmful  
Xi - Irritant  
N - Dangerous for the environment

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**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.