

CHEMISCH ANKER - RÉSINE DE SCÉLLEMENT CA1400, A COMPONENT**1. Identification of the substance/preparation and of the company/undertaking**

- 1.1 Identification of the substance or preparation:
Product name: H101
- 1.2 Use of the substance or the preparation:
Adhesive
- 1.3 Company/undertaking identification:
SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
Tel. : +32 14 42 42 31
Fax : +32 14 44 39 71
- 1.4 Telephone number for emergency:
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Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)
Technische Schoolstraat 43A, B-2440 Geel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
2-hydroxyethyl methacrylate	868-77-9 212-782-2	1 - <10	Xi	36/38-43 (1)
vinyltoluenes	25013-15-4 246-562-2	1 - <10	Xn	10-20-36/37/38-65 (1)
1,1'-(p-tolylimino)dipropan-2-ol	38668-48-3 254-075-1	0.1 - <1	T	25-52/53 (1)
1,6-hexanediyl bismethacrylate	6606-59-3 229-551-7	1 - <10	Xi	36/37/38 (1)
silica	112926-00-8 -	>1	-	-

(1) For R-phrases in full: see heading 16

3. Hazards identification

- May cause sensitisation by skin contact

4. First aid measures

- 4.1 Eye contact:**
- Rinse immediately with plenty of water
 - Seek medical advice
- 4.2 Skin contact:**
- Rinse immediately with plenty of water
 - If irritation persists: seek medical advice
- 4.3 After inhalation:**
- Remove the victim into fresh air
 - Seek medical advice
- 4.4 After ingestion:**
- Never give water to an unconscious person
 - Do not induce vomiting
 - Seek medical advice

5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Water spray
 - Polyvalent foam
 - BC powder
- 5.2 Unsuitable extinguishing media:**
- Solid water jet ineffective as extinguishing medium
- 5.3 Special exposure hazards:**
- Upon combustion formation of CO, CO₂ and small quantities of nitrous vapours
- 5.4 Instructions:**
- Take account of environmentally hazardous firefighting water
 - Use firefighting water moderately and contain it
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
 - Protective clothing for exposure to chemicals

6. Accidental release measures

- 6.1 Personal protection/precautions:**
- See heading 8.2/13
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
- 6.3 Methods for cleaning up:**
- Scoop solid spill into closing containers
 - Carefully collect the spill/leftovers
 - Wash clothing and equipment after handling

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7. Handling and storage

7.1 Handling:

- Observe very strict hygiene - avoid contact
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately
- Insufficient ventilation:
Use spark-/explosionproof appliances and lighting system

7.2 Storage:

- Keep container tightly closed
- Store in a cool area
- Store in a dry area
- Keep only in the original container

- Keep away from: heat sources, ignition sources

Storage temperature : Room temperature
Quantity limits : N.D. kg
Storage life : 365 days
Materials for packaging :
- suitable : synthetic material

7.3 Specific uses:

- See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

2-HYDROXYETHYL METHACRYLATE:

MAC-TGG 8 h : 0.24 mg/m³
MAC-TGG 15 min. : mg/m³
MAC-Ceiling : mg/m³

VINYLTOLUENES:

TLV-TWA : mg/m³ 50 ppm
TLV-STEL : mg/m³ 100 ppm
TLV-Ceiling : mg/m³ ppm

MAK : 490 mg/m³ 100 ppm

MAC-TGG 8 h : 50 mg/m³
MAC-TGG 15 min. : mg/m³
MAC-Ceiling : mg/m³

VME-8 h : 240 mg/m³ 50 ppm
VLE-15 min. : - mg/m³ - ppm

GWBB-8 h : 246 mg/m³ 50 ppm
GWK-15 min. : 490 mg/m³ 100 ppm
Momentary value : mg/m³ ppm

SILICA:

WEL-LTEL : 2.4 R/6 I mg/m³ - ppm
WEL-STEL : - mg/m³ - ppm

MAK : 4 E mg/m³ ppm

GWBB-8 h : 10 mg/m³ - ppm
GWK-15 min. : - mg/m³ - ppm
Momentary value : mg/m³ ppm

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8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Work under local exhaust/ventilation

8.2.1.1 Respiratory protection:

- Wear gas mask with filter type A if concentration in air > exposure limit

8.2.1.2 Hand protection:

- Gloves
Suitable materials: GIVE GOOD RESISTANCE:
Synthetic material

8.2.1.3 Eye protection:

- Safety glasses

8.2.1.4 Skin protection:

- Protective clothing
Suitable materials: GIVE GOOD RESISTANCE:
Synthetic material

8.2.2 Environmental exposure controls: see heading 13

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	: Paste
Odour	: Characteristic
Colour	: Beige

9.2 Important health, safety and environmental information:

pH value	: N.D.	
Boiling point/boiling range	: N.D.	°C
Flashpoint	: N.D.	°C
Explosion limits	: N.D.	vol%
Vapour pressure (at 20°C)	: N.D.	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: 1.5	
Water solubility	: Insoluble	
Soluble in	: No data available	
Relative vapour density	: N.D.	
Viscosity	: N.D.	Pa.s
Partition coefficient n-octanol/water	: N.D.	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: N.D.	

9.3 Other information:

Melting point/melting range	: N.D.	°C
Auto-ignition point	: N.D.	°C
Saturation concentration	: N.D.	g/m ³

10. Stability and reactivity

10.1 Conditions to avoid:

- No data available

10.2 Materials to avoid:

- Keep away from: heat sources, ignition sources

10.3 Hazardous decomposition products:

- Upon combustion formation of CO, CO₂ and small quantities of nitrous vapours

11. Toxicological information**11.1 Acute toxicity:**

2-HYDROXYETHYL METHACRYLATE:

LD50 oral rat	: > 5000	mg/kg
LD50 dermal rabbit	: > 3000	mg/kg

VINYL TOLUENES:

LD50 oral rat	: 2255	mg/kg
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1,6-HEXANEDIYL BISMETHACRYLATE:

LD50 oral rat	: > 15000	mg/kg
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SILICA:

LD50 oral rat	: > 5000	mg/kg
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11.2 Chronic toxicity:

VINYL TOLUENES:

Carcinogenicity (TLV)	: A4
Carcinogenicity (MAC)	: not listed
Carcinogenicity (VME)	: not listed
Carcinogenicity (GWBB)	: not listed

IARC classification	: 3
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SILICA:

Carcinogenicity (MAK)	: not listed
Mutagenicity (MAK)	: not listed
Teratogenicity (MAK)	: C

IARC classification	: 3
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11.3 Routes of exposure: ingestion, inhalation, eyes and skin**11.4 Acute effects/symptoms:****AFTER INHALATION:**

- Slight irritation

AFTER SKIN CONTACT:

- Slight irritation

AFTER EYE CONTACT:

- Slight irritation

11.5 Chronic effects:

- May cause sensitization by skin contact
- Not listed in carcinogenicity class (IARC, EC, TLV, MAK)
- Not listed in mutagenicity class (EC, MAK)
- Not classified as toxic to reproduction (EC)

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12. Ecological information

12.1 Ecotoxicity:

2-HYDROXYETHYL METHACRYLATE:

- LC50 (96 h) : 227 mg/l (PIMEPHALES PROMELAS)

12.2 Mobility:

- Volatile organic compounds (VOC): 0%
- Insoluble in water
- Substance sinks in water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- biodegradation BOD₅ : N.D. % ThOD
- water : No data available
- soil : T ½: N.D. days

12.4 Bioaccumulative potential:

- log P_{ow} : N.D.
- BCF : N.D.

12.5 Other adverse effects:

- WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVWS) of 17 May 1999)
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : no data available
- Effect on waste water purification : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 10 (waste adhesives and sealants other than those mentioned in 08 04 09)

13.2 Disposal methods:

- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber

13.3 Packaging/Container:

- Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02 (plastic packaging)

14. Transport information

14.1 Classification of the substance in compliance with UN Recommendations

UN number : -
CLASS : Not subject
SUB RISKS :
PACKING :
PROPER SHIPPING NAME :

14.2 ADR (transport by road)

CLASS : Not subject
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :

14.3 RID (transport by rail)

CLASS : Not subject
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :

14.4 ADNR (transport by inland waterways)

CLASS : Not subject
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :

14.5 IMDG (maritime transport)

CLASS : Not subject
SUB RISKS :
PACKING :
MFIAG :
EMS :
MARINE POLLUTANT :

14.6 ICAO (air transport)

CLASS : Not subject
SUB RISKS :
PACKING :
PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
PACKING INSTRUCTIONS CARGO AIRCRAFT :

14.7 Special precautions in connection with transport : not restricted for any mode of international transport

15. Regulatory information

15.1 EU legislation:

Classification according to directives 67/548/EEC and 1999/45/EC



Irritant

contains	:	2-hydroxyethyl methacrylate
R43	:	May cause sensitisation by skin contact
S(02)	:	(Keep out of reach of children)
S24/25	:	Avoid contact with skin and eyes
S35	:	This material and its container must be disposed of in a safe way
S37	:	Wear suitable gloves
S(46)	:	(If swallowed, seek medical advice immediately and show this container or label)

15.2 National provisions:

The Netherlands:

Waterbezwaarlijkheid: 11

Germany:

WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
WEL : Workplace Exposure Limits - United Kingdom
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
MAC : Maximale aanvaarde concentratie - The Netherlands
VME : Valeurs limites de Moyenne d'Exposition - France
VLE : Valeurs limites d'Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values - directive 2000/39/EC

I : Inhalable fraction = **T**: Total dust = **E**: Einatembarer Aerosolanteil
R : Respirable fraction = **A**: Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit

a:	aerosol	r:	rook/Rauch	(fume)
d:	damp (vapour)	st:	stof/Staub	(dust)
du:	dust	ve:	vezel	(fibre)
fa:	Faser (fibre)	va:	vapour	
fi:	fibre	om:	oil mist	
fu:	fume	on:	olienevel/Ölnebel	(oil mist)
p:	poussière (dust)	part:	particles	

Chronic toxicity:

K : List of the carcinogenic substances and processes - The Netherlands

Full text of any R-phrases referred to under heading 2:

R10 : Flammable
R20 : Harmful by inhalation
R25 : Toxic if swallowed
R36/37/38 : Irritating to eyes, respiratory system and skin
R36/38 : Irritating to eyes and skin
R43 : May cause sensitisation by skin contact
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 : Harmful: may cause lung damage if swallowed