

# Safety Data Sheet

In accordance with REACH Regulation (EC) no. 1907/2006

## 1. Identification of the substance/mixture and of the company/undertaking.

**Product name:** UNITEC GT18-39-60-68, UNITEC GS20-36-62, UNITEC LS28T and UNITEC LS30

Use: Adhesive

Product registration no.: -

Date: 09.03.2010

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## 2. Hazards identification

The product has hazard classification Xi;R36/37/38-43.

The product has an irritant effect on contact with the eyes, respiratory system and skin. The product may lead to allergy by skin contact.

The products Unitec GS20 and Unitec GS36 contain a small quantity of a solvent which can be absorbed through the skin.

## 3. Composition/information on ingredients

Selected ingredients	EINECS/ ELINCS	CAS no.	Wt-%	Classification
Hydroxypropyl methacrylate	248-666-3	27813-02-1	20-25	Xi;R36/37/38 <b>ClaP*:</b> Eye Irrit. 2; H319 Skin Irrit. 2; H319 Skin Sens. 1; H315 STOT SE 3; H335
Cumen hydroperoxide	201-254-7	80-15-9	0,1-1	O;R7 T;R23 Xn;R21/22-48/20/22 C;R34 N;R51/53 <b>ClaP*:</b> Org. Perox. E; H242 Acute Tox. 3; H319 Acute Tox. 4; H319 Acute Tox. 4; H319 STOT RE 2; H373 Skin Corr. 1B; H314 Aquatic Chronic 2; H411
2-Hydroxyethylmethacrylate	212-782-2	868-77-9	5-10	Xi;R36/37/38 <b>ClaP*:</b> Eye Irrit. 2; H319 Skin Irrit. 2; H319 Skin Sens. 1; H319
<b>Unitec GS20 and Unitec GS36 also contain:</b>				
Acrylic acid	248-666-3	79-10-7	0,1-1	R10 Xn;R20/21/22 C;R35 N;R50 <b>ClaP*:</b> Flam. Liq. 3; H226 Acute Tox. 4 *: H332 Acute Tox. 4 *: H312 Acute Tox. 4 *: H302 Skin Corr. 1A; H314 Aquatic Acute 1; H400
<p>ClaP*: European Parliament and Council Regulation (EC) no. 1272/2008. The full text of R and H phrases is given in Par. 16.</p>				

## 4. First-aid measures

### **Inhalation:**

Seek fresh air. If there is no immediate improvement, seek medical advice.

(Cont. page 3)

(Cont. from page 2)

### **Skin contact:**

Wash the skin with plenty of soap and water. After washing, rub skin with a heavy cream. If the irritation does not improve, seek medical advice.

### **Eye contact:**

Open the eye wide and rinse with plenty of water for at least 15 minutes. If the irritation does not stop immediately, seek medical advice.

### **Swallowing:**

Do not induce vomiting. Give the casualty water or milk to drink. Seek medical advice immediately.

## 5. Fire-fighting measures

The product is not flammable.

As far as possible remove the product from areas threatened by fire. Use supplied-air respirator for fire fighting. Toxic gases (e.g. carbon monoxide) are emitted in the case of fire.

Extinguish the fire with carbon dioxide, foam, powder or water mist.

## 6. Accidental release measures

In case of release to the external environment, contact the environmental authorities. Cover/absorb large quantities of released material with sand or other absorbent material. This must then be treated as waste. See also Pars. 8 and 13. Do not let the product run into drainage systems.

## 7. Handling and storage

Ensure there is good ventilation when using the product. If this is not possible approved breathing masks may be worn as a temporary measure. See Par. 8.

Avoid contact with skin and eyes. If this cannot be avoided, protective gloves must be worn. Where there is a risk of splashing, protective goggles must be worn. See Par. 8.

Store the product in the closely sealed original packaging in a cool and well-ventilated place.

Fire hazard class: -

## 8. Exposure controls/personal protection

The following notifiable ingredients have a threshold value under Danish Working Environment Authority Instruction (At-anvisning) C.0.1, 2007:

Acrylic acid 5.9 mg/m<sup>3</sup> (Absorbed through the skin)

Compliance with threshold value can be checked with occupational hygiene measurements.

The following personal protective measures are recommended, where necessary:

**Breathing apparatus:**

Rubber half-mask/A2 filters

**Gloves:**

Neoprene or 4H. Breakthrough time at 23°C is > 4 and > 8 hours respectively. It is recommended that the breakthrough time be reduced by a factor of 3, as the temperature in the glove is in practice 35°C.

**Eye**

**protection:**  
Goggles if necessary.

## 9. Physical and chemical properties

Appearance:	Liquid	Solubility in water:	Insoluble
	-	Partition coefficient	
Odour:	4.5-5.8 (Unitec GT60)	n-octanol/water:	-
pH:	-	Flash point:	>100°C
Boiling point:	-	Self-ignition temperature:	-
Melting point:	<10 mmHg	Explosion limits:	-
Vapour pressure (25 °C):	1.0-1.10 g/cm <sup>3</sup>	Viscosity:	-
Density:			

-: Means no data or not applicable

## 10. Stability and reactivity

Stable under normal circumstances.

Avoid contact with oxidising compounds and strongly reducing substances and acids.

## 11. Toxicological information

**Inhalation:**

Vapour from the product has a strong irritant effect on the respiratory system and can lead to dizziness, headache and general feelings of unwellness.

**Skin contact:**

The product has a strong irritant effect on contact with the skin. Unitec GS20 and Unitec GS36 contain a component which is absorbed through the skin, for this see "Inhalation".

**Eye contact:**

The product has a strong irritant effect on contact with the eyes.

**Swallowing:**

Swallowing will cause nausea, discomfort and possible vomiting.

**Long-term effects:**

The product may lead to allergy by skin contact.

## 12. Ecological information

Danger to aquatic environments: Acrylic acid is very toxic to aquatic organisms Cumen hydroperoxide is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment according to Danish Environment Ministry rules. With regard to other ingredients there is insufficient data for an environmental classification according to Danish Environment Ministry rules.

Danger to other ecosystems: Insufficient data.

## 13. Disposal considerations

Waste catalogue code (EAK Code): 08 04 09. The product is regarded as hazardous waste. Spillage and residues to be disposed according to Local Authority instructions e.g. a municipal receiving station for chemical waste.

In case of disposal to Kommunekemi, please quote chemical wastes group: H.

For transport as waste: See Par. 14.

## 14. Transport information

The product is not considered as a hazardous load for transport purposes.

## 15. Regulatory information

Hazard label on packaging:

Contains: Hydroxypropyl methacrylate

Irritating to eyes, respiratory system and skin (R36/37/38)  
May cause sensitisation by skin contact (R43)

Avoid contact with skin and eyes (S24/25)  
In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice (S26)  
Wear suitable protective gloves during work (S37)



**MAL code (1993):** 00-5  
(Unitec GT(18, 39, 60, 68), Unitec GS62, Unitec LS28T and Unitec LS30)

**MAL code (1993):** 4-5 (Unitec GS20 and Unitec GS36)

Limitations on use: May not be used by young people under 18 years (except apprentices).

Requirements for special training: None.

Also covered by the following special statutory instruments:

- Statutory Instrument on work with coded products, no. 302 of 13 May 1993

Requirement for workplace user instruction as the product contains  $\geq 1\%$  of a substance classified as hazardous to health under Danish Environment Ministry rules.

## 16. Other information

Text of R and H phrases named in Pars. 2 and 3.

R7: May cause fire; R10: Flammable; R20 Xn;R20/21/22: Harmful by inhalation, in contact with skin and if swallowed; R23: Toxic by inhalation; R34: Causes burns; R35: Causes severe burns; R36/37/38: Irritating to eyes, respiratory system and skin; R43: May cause sensitisation by skin contact

R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed

R50: Very toxic to aquatic organisms; R5/53: Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

H226 Flammable liquid and vapour; H242: Danger of fire when heated; H302: Harmful if swallowed; H312: Harmful on contact with skin; H312: Causes severe burning to skin and damage to eyes; H315: Causes skin irritation; H317: May cause allergic skin reaction; H319: Causes serious eye irritation; H331: Toxic by inhalation; H332: Harmful by inhalation; H335: May cause irritation of airways; H373: May cause damage to organs by prolonged or repeated exposure; H400: Very toxic to aquatic organisms

H411: Toxic to aquatic organisms with long-term effects

### **Advice and training/instruction:**

The product may only be used by persons instructed in the execution of the work and familiar with the contents of this safety data sheet.

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