

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 SA20

Use: Adhesive

Product registration no.: -

Date: 09.03.2010

Contact person: lja@eurofins.dk

Phone no. for emergencies: +45 86 26 11 77

+45 82 12 12 12 (Bispebjerg Hospital, Giftlinje ("Toxins Line"))

2. Hazards identification

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

The product has an irritant effect on contact with the eyes, respiratory system and skin.

The product contains acrylates, which have an irritant effect on skin, and which on inhalation in large quantities over a prolonged period can lead to airway allergy (asthma). The product may cause allergic eczema in case of skin contact. Risk of adhesion. The product contains a solvent which on inhalation in large quantities over a prolonged period may damage the central nervous system. The product contains a very small quantity of hydroquinone, which is suspected of being carcinogenic and mutagenic. The product is inflammable according to Danish Ministry of Justice rules.

3. Composition/information on ingredients

Selected ingredients	EINECS/ ELINCS	CAS no.	Wt-%	Classification
Ethyl-2-cyanoacrylate	230-391-5	7085-85-0	90-95	Xi;R36/37/38 ClaP*: Eye Irrit. 2; H319 Skin Irrit. 2; H315 STOT SE 3; H335
Hydroquinone	204-617-8	123-31-9	0.1-0.5	Carc.3; R40 Mut3; R68 Xn;R22 Xi;R41 R43 N;R50 ClaP*: Carc2; H351 Muta2; H341 Acute Tox. 1; H302 Eye Dam 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400

ClaP*: European Parliament and Council Regulation (EC) no. 1272/2008.
The full text of R and H phrases is given in Par. 16.

4. First-aid measures

Inhalation:

Remove casualty to fresh air. If there is no immediate improvement, seek medical advice.

Skin contact:

Wash the skin with plenty of soap and water. Hardened adhesive can be carefully removed from the skin. If necessary, contact a doctor or casualty department.

Eye contact:

Rinse with water for at least 15 min. Do not attempt to open eyelids which are glued together. Contact a doctor or casualty department immediately.

Swallowing:

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

Burns:

Flush with water until the pain stops. During flushing, remove clothing which is not burnt onto the skin from the burnt area. If medical treatment is necessary, continue flushing until the doctor takes over treatment.

5. Fire-fighting measures

The product is inflammable according to Danish Ministry of Justice rules.

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

Avoid ignition sources. No smoking.

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 must be worn as a temporary measure. See Par. 8.

Avoid all contact with skin and eyes. Use protective gloves and goggles. See Par. 8.

Remove soiled work clothing immediately.

Store the product in the tightly sealed original packaging in a ventilated area at temperatures between 2-8°C.

Fire hazard class III-1, One storage unit: 50 litres

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:

Ethyl cyanoacrylate	10 mg/m ³
Hydroquinone	2 mg/m ³ (Ceiling limit, Carcinogenic)

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

In the case of a workplace user instruction, it must be ensured that employees are not exposed to effects which could present a risk for pregnancy or breast-feeding.

The following personal protective measures are recommended, where necessary:

Breathing apparatus:
Rubber half-mask/
A2 filters

Gloves:
E.g. nitrile* or butyl rubber. In case of spillage onto gloves, change these immediately and wash hands thoroughly with soap and water.

Eye protection:
Goggles if necessary.

*): It is important to note that there are many different types of nitrile gloves, so their effectiveness with regard to the specific product will need to be documented.

9. Physical and chemical properties

Appearance:	Liquid	Solubility in water:	-
	-	Partition coefficient	
Odour:	-	n-octanol/water:	-
pH:	>100°C	Flash point:	85°C
Boiling point:	-	Self-ignition temperature:	-
Melting point:	0.293 mmHg	Explosion limits:	-
Vapour pressure (20°C):	1.1 g/cm ³	Viscosity:	-
Density (25°C):			

-: Means no data or not applicable

10. Stability and reactivity

On contact with strong oxidants, heating and formation of flammable vapours may occur.
On heating, vapours are emitted which may ignite and form explosive mixtures with air.

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. Risk of adhesion.

Eye contact:

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

Swallowing:

Hardens immediately on contact with lips or in the mouth.

Long-term effects:

Repeated or prolonged exposure to the product may damage the central nervous system. Repeated or prolonged exposure to the product may lead to airways allergy. Repeated or prolonged contact with the skin may lead to allergic eczema. Contains a small quantity of a substance which can lead to allergy on contact with the skin. Contains a small quantity of a substance which is suspected of being carcinogenic and mutagenic.

12. Ecological information

Danger to aquatic environments: Hydroquinone is extremely toxic to aquatic organisms, 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:

<p>Irritating to eyes, respiratory system and skin (R36/37/38)</p> <p>Do not breathe vapour (S23) 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)</p>	<p>Xi</p>  <p>Lokalirriterende</p>
<p>MAL code (1993): 5-5</p>	
<p>Contains hydroquinone. May provoke an allergic reaction.</p>	
<p>Cyanoacrylate. Hazardous. Adheres to skin and eyes in just a few seconds. Store out of the reach of children.</p>	

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.

R22: Harmful if swallowed

R36/37/38: Irritating to eyes, respiratory system and skin

R40: Limited evidence of a carcinogenic effect

R41: Risk of serious damage to eyes

R43: May cause sensitisation by skin contact

R50: Very toxic to aquatic organisms

R68: Possible risk of irreversible effects

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause allergic skin reaction

H318: Causes serious damage to eyes

H319: Causes serious eye irritation

H335: May cause irritation of airways

H341: Suspected of causing genetic defects

H351: Suspected of causing cancer

H400: Very toxic to aquatic organisms

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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