

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 AT70

Use: Activator for accelerating curing of anærobic adhesive

Product registration no.:

Date: 10.03.2010

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 F+,Xi;R12-36-66-67.

The product contains an organic solvent which on inhalation in large quantities over a prolonged period may damage the central nervous system.

The product is highly flammable.

3. Composition/information on ingredients

Selected ingredients	EINECS/ ELINCS	CAS no.	Wt-%	Classification
Butane (<0.1% butadiene)	203-448-7	106-97-8	19-24	F+;R12 CLaP*: Flam Gas 1; H220
Propane	200-827-9	74-98-6	5-7	F+;R12 CLaP*: Flam Gas 1; H220
Acetone	200-662-2	67-64-1	70-80	F;R11 Xi;R36 R66 R67 CLaP*: Flam Liq. 2; H225 Eye Irrit. 2; H318 STOT SE 3; H336 EUH066
Aromatic amines	-	-	<1	T;R23/24/25 R33 R52/53 CLaP*: Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT RE 2; H373 Aquatic Chronic 3; H412

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:

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

Skin contact:

Wash the skin with plenty of soap and water. After washing, rub skin with a heavy cream. In case of persistent irritation, 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:

Avoid vomiting if possible. Give the casualty water or milk to drink. Seek medical advice.

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 highly flammable. Containers may explode if heated above 50°C.
In case of fire, cool with water. As far as possible remove the product from areas threatened by fire. Extinguish the fire with carbon dioxide, foam, powder or water mist. Do not use water jets.
Use supplied-air respirator for fire fighting. Toxic gases (e.g. carbon monoxide) are emitted in the case of fire.

6. Accidental release measures

Avoid ignition sources. No smoking.
In case of release to the external environment, contact the environmental authorities. Absorb large spills with sand or other absorbent material. This must then be treated as waste. See also Pars. 8 and 13.
Do not let the product enter 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 contact with skin and eyes. If this cannot be avoided, protective gloves may 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. Avoid temperatures over 50°C.
Fire hazard class: I-1, One storage unit: 1litre.

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:

Butane	1,200 mg/m ³
Propane	1,800 mg/m ³
Acetone	600 mg/m ³ (EU threshold value)

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: Supplied-air	Gloves: 4H. Breakthrough time at 23°C >8 h. 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: Glasses
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9. Physical and chemical properties

Appearance:	Aerosol	Solubility in water:	Insoluble
	-	Partition coefficient	
Odour:	-	n-octanol/water:	-
pH:	<35°C	Flash point:	<0°C
Boiling point:	-	Self-ignition temperature:	-
Melting point:	-	Explosion limits:	-
Vapour pressure (20°C):	0.712 kg/l	Viscosity:	-
Density:			

-: Means no data or not applicable

10. Stability and reactivity

Risk of explosion when heated. 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 an irritant effect on the respiratory system and can lead to drowsiness, dizziness, headache and general feelings of unwellness.

Skin contact:

The product has an irritant effect on contact with the skin. Repeated exposure may result in dry or cracked skin.

Eye contact:

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

Swallowing:

Swallowing may cause nausea, discomfort and possible vomiting.

Long-term effects:

Repeated or prolonged exposure to the product may damage the central nervous system. Contains a small quantity of a substance which can accumulate in the body.

12. Ecological information

Danger to aquatic environments: Aromatic amines are harmful to aquatic organisms and may cause undesirable long-term 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): 16 05 04. 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: Z.

For transport as waste: See Par. 14.

14. Transport information

UN No.: 1950; **ADR/RID class:** 2; **Classification code:** 5F; **Packaging group:** -;
Goods description: Aerosols; **IATA:** 2; **IMDG:** 2; **EmS:** F-D, S-U

15. Regulatory information

Hazard label on packaging:

Highly flammable (R12)
Irritating to eyes (R36)
Repeated exposure may result in dry or cracked skin (R66)
Vapour may cause drowsiness or dizziness (R67)

Do not breathe vapour/aerosol mists (S23)
In case of contact with eyes, rinse immediately with plenty of water
and seek medical advice (S26)



Container under pressure. Must be protected from sunlight and not exposed to temperatures above 50°C. Do not pierce or burn, even when empty. Do not spray near naked flame or incandescent material. Store away from any ignition source – No smoking. Store out of reach of children.

MAL code (1993): 4-1 Supplied-air breathing apparatus

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 aerosols, no. 1003 of 26 October 2009
- 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.

R11: Highly flammable; R12: Very flammable

R23/24/25: Harmful by inhalation, in contact with skin and if swallowed

R33: Danger of cumulative effects; R36: Irritating to eyes

R52/53: Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment

Repeated exposure may result in dry or cracked skin

R67: Vapour may cause drowsiness or dizziness

H220: Highly flammable gas; H225: Very flammable liquid and vapour

H301: Toxic by inhalation; H311: Toxic by skin contact

H318: Causes serious damage to eyes; H331: Toxic by inhalation

H336: May cause drowsiness or dizziness

H373: May cause damage to organs by prolonged or repeated exposure

H412: Harmful to aquatic organisms with long-term effects

EUH066: Repeated exposure may result in dry or cracked skin

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.

Prepared by: Eurofins Product Testing A/S, Smedeskovvej

