

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Z 70**

Print date: 22.12.2011

Product code: A1654

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

#### Product identifier

Z 70

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

##### Use of the substance/mixture

Adhesives, sealants

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

Company name: Hottinger Baldwin Messtechnik GmbH  
Darmstadt  
Street: Im Tiefen See 45  
Place: D-64293 Darmstadt  
Telephone: +49 (0)6151 803-0  
e-mail: info@de.hbm.com  
Internet: www.hbm.com  
Responsible Department: Customer Care Center CCC +49 6151 803 0

Emergency telephone: +49(0)6131/19240

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

Indications of danger : Irritant  
R-phrases:  
Irritating to eyes, respiratory system and skin.

#### Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

#### **R phrases**

36/37/38 Irritating to eyes, respiratory system and skin.

#### **S phrases**

02 Keep out of the reach of children.  
23 Do not breathe Do not breathe vapour. .  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
37 Wear suitable gloves.  
46 If swallowed, seek medical advice immediately and show this container or label.  
56 Dispose of this material and its container at hazardous or special waste collection point.  
24/25 Avoid contact with skin and eyes.

### SECTION 3: Composition/information on ingredients

#### Mixtures

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**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
205-275-2	mecrilate, methyl 2-cyanoacrylate	50-100%
137-05-3	Xi R36/37/38	
607-235-00-3	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	
230-391-5	ethyl 2-cyanoacrylate	10-25%
7085-85-0	Xi R36/37/38	
607-236-00-9	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	

Full text of R- and H-phrases: see section 16.

**Further Information**

Cyanoacrylate containing adhesive.

**SECTION 4: First aid measures****Description of first aid measures****After inhalation**

Provide fresh air. Medical treatment necessary.

**After contact with skin**

Cyanoacrylate! Danger! Skin and eyelids will stick together in seconds. Keep out of the reach of children.  
Do not try to remove product crusts from affected parts of the skin by force or by using solvents. Immediately get medical attention.

**After contact with eyes**

Cyanoacrylate! Danger! Skin and eyelids will stick together in seconds. Keep out of the reach of children.  
Do not try to remove product crusts from affected parts of the skin by force or by using solvents. Immediately get medical attention.

**After ingestion**

May be fatal if swallowed and enters airways.

**Most important symptoms and effects, both acute and delayed**

shortage of breath.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray.  
In case of major fire and large quantities: Water spray, alcohol resistant foam.  
Extinguishing materials should be selected according to the surrounding area.

**Extinguishing media which must not be used for safety reasons**

High power water jet.

**Special hazards arising from the substance or mixture**

Vapours may form explosive mixtures with air. Can be released in case of fire:  
Nitrogen oxides (NO<sub>x</sub>). Carbon monoxide.

**Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

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**Additional information**

Use a water spray jet to knock down vapours/gases/mists. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Provide adequate ventilation.

**SECTION 7: Handling and storage****Precautions for safe handling****Advice on safe handling**

Do not breathe gas/fumes/vapour/spray. Handle and open container with care.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not store together with: Food and fodder

**SECTION 8: Exposure controls/personal protection****Control parameters****Exposure limits (EH40)**

CAS No	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
7085-85-0	Ethyl cyanoacrylate	-	-		TWA (8 h)	WEL
		0.3	1.5		STEL (15 min)	WEL
137-05-3	Methyl cyanoacrylate	-	-		TWA (8 h)	WEL
		0.3	1.4		STEL (15 min)	WEL

**Exposure controls****Occupational exposure controls**

In case of open handling equipment with built-in suction must be used. Do not breathe gas/fumes/vapour/spray.

**Protective and hygiene measures**

Take off immediately all contaminated clothing. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Hand protection**

Tested protective gloves are to be worn: NBR (Nitrile rubber). Breakthrough times and swelling characteristics of the material must be taken into consideration.

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**Eye protection**

Tightly sealed safety glasses.

**Skin protection**

Wear suitable protective clothing.

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

Physical state:	liquid
Colour:	colourless
Odour:	pungent

**Test method****Changes in the physical state**

Boiling point:	149 °C
Flash point:	80 °C
Density (at 20 °C):	1,1 g/cm <sup>3</sup>

**SECTION 10: Stability and reactivity****Possibility of hazardous reactions**

Polymerization.  
Violent reaction with: Alkalis (alkalis), concentrated.  
Violent reaction with: Oxidizing agents, strong.  
Violent reaction with: Water.

**SECTION 11: Toxicological information****Information on toxicological effects****Irritation and corrosivity**

Irritant effect on the skin: irritant.  
Irritant effect on the eye: strong irritant. Risk of serious damage to eyes.

**Additional information on tests**

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information****Further information**

Do not empty into drains or the aquatic environment.  
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations****Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations.

**Waste disposal number of waste from residues/unused products**

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080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

**Contaminated packaging**

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**UN number:** 3334  
**UN proper shipping name:** AVIATION REGULATED LIQUID, N.O.S.  
**Transport hazard class(es):** 9  
Classification code: M11

**Inland waterways transport**

**UN number:** 3334  
**UN proper shipping name:** AVIATION REGULATED LIQUID, N.O.S.  
**Transport hazard class(es):** 9  
**Packing group:** N-S  
Classification code: M11

**Marine transport**

**UN number:** 3334  
**UN proper shipping name:** AVIATION REGULATED LIQUID, N.O.S.  
**Transport hazard class(es):** 9  
**Packing group:** -  
Hazard label: 9



Special Provisions: 960  
Limited quantity: -  
EmS: -

**Air transport**

**UN/ID number:** 3334  
**UN proper shipping name:** AVIATION REGULATED LIQUID, N.O.S.  
**Transport hazard class(es):** 9  
Hazard label: 9

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Special Provisions:	A27	
Limited quantity Passenger:	30 kg G	
IATA-packing instructions - Passenger:		964
IATA-max. quantity - Passenger:		100 L
IATA-packing instructions - Cargo:		964
IATA-max. quantity - Cargo:		220 L

**SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**SECTION 16: Other information****Full text of R-phrases referred to under sections 2 and 3**

36/37/38 Irritating to eyes, respiratory system and skin.

**Full text of H-Statements referred to under sections 2 and 3**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*