



## Safety Data Sheet

SDS-0015

according to 29 CFR 1910.1200(g)

Z 70

Print date: 15.06.2015

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**1. Identification****Product identifier**

Z 70

**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 phone number:** +49(0)6131/19240

**2. Hazard(s) identification****Classification of the chemical**

Hazard categories:  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:  
Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation

**Label elements**

Signal word: Warning

Pictograms: exclamation mark

**Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation

**Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.

**Special labelling of certain mixtures**

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

**3. Composition/information on ingredients****Mixtures**

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**Chemical characterization**Mixture related information  
Cyanoacrylate containing adhesive.**Hazardous components**

CAS No	Components	Quantity
137-05-3	mecrilate, methyl 2-cyanoacrylate	>60 - <80 %
7085-85-0	ethyl 2-cyanoacrylate	> 20 - < 30%
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	<0.1%

**4. First-aid measures****Description of first aid measures****After inhalation**

Provide fresh air. Medical treatment necessary.

**After contact with skin**

Cyanacrylate! Danger! Skin and eyelids will stick together in seconds. Keep out of the reach of children.

Do not use force or solvents to remove product incrustations from affected skin areas.  
Call a physician immediately.**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Do not use force or solvents to remove product incrustations from affected skin areas.

**After ingestion**

May be fatal if swallowed and enters airways.

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

Irritating to eyes, respiratory system and skin.

**Indication of any immediate medical attention and special treatment needed**

Call a physician immediately.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**Foam. Extinguishing powder. Water spray. Carbon dioxide.  
Co-ordinate fire-fighting measures to the fire surroundings.**Unsuitable extinguishing media**

High power water jet.

**Specific hazards arising from the chemical**

In case of fire may be liberated:

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

Use water spray jet to protect personnel and to cool endangered containers.

**Special protective equipment and precautions for fire-fighters**

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

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**6. Accidental release measures**



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**Personal precautions, protective equipment and emergency procedures**

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

**Environmental precautions**

Do not allow to enter into surface water or drains.

**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 recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

**Reference to other sections**

See section 8.

**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.

**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

**8. Exposure controls/personal protection****Control parameters****Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
123-31-9	Hydroquinone	-	2		TWA (8 h)	PEL
			1		TWA (8 h)	TLV
137-05-3	Methyl-2-cyanoacrylate	2	8		TWA (8 h)	REL
		4	16		STEL (15 min)	REL

**Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Protective and hygiene measures**

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

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wear suitable protective clothing and gloves.



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Suitable gloves type: NBR (Nitrile rubber).

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

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

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: liquid  
 Color: colourless  
 Odor: stinging

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

Initial boiling point and boiling range: &gt; 149 °C

Flash point: 80 - 93,4 °C

Density (at 25 °C): 1,07 - 1,2 g/cm<sup>3</sup>**10. Stability and reactivity****Reactivity**hazardous polymerization. , Exothermic reactions with:  
Water. , Alcohol., amines.**Chemical stability**

refer to chapter 7. No further action is necessary.

**Possibility of hazardous reactions**hazardous polymerization. , Exothermic reactions with:  
Water. , Alcohol., amines.**Incompatible materials**

None under normal use.

**Hazardous decomposition products**Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.**11. Toxicological information****Information on toxicological effects****Acute toxicity**

CAS No	Components	Exposure routes	Method	Dose	Species	Source
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	oral	LD50	302 mg/kg	Rat	IUCLID

**Irritation and corrosivity**

Irritant effect on the skin: irritant.

Cyanacrylate! Danger! Skin and eyelids will stick together in seconds. Keep out of the reach of children.

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



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**12. Ecological information****Further information**

Do not allow to enter into surface water or drains.

**13. Disposal considerations****Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**14. Transport information****Marine transport (IMDG)****Other applicable information**

Not a hazardous material with respect to these transportation regulations.

**Air transport (ICAO)****UN number:**

UN3334

**UN proper shipping name:**AVIATION REGULATED LIQUID, N.O.S.  
ethyl 2-cyanoacrylate**Transport hazard class(es):**

9

**Packing group:**

III

**Hazard label:**

9

**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

**15. Regulatory information****U.S. Regulations****National regulatory information**

SARA Section 302 Extremely hazardous substances:

Hydroquinone (123-31-9): Reportable quantity = 100 lbs., Threshold planning quantity = 500/10,000 lbs.

SARA Section 304 CERCLA:

Hydroquinone (123-31-9): Reportable quantity = 100 (45.4) lbs. (kg)

SARA Section 311/312 Hazards:

mecrilate, methyl 2-cyanoacrylate (137-05-3): Immediate (acute) health hazard

ethyl 2-cyanoacrylate (7085-85-0): Immediate (acute) health hazard

Hydroquinone (123-31-9): Delayed (chronic) health hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Hydroquinone (123-31-9): De minimis limit = 1.0 %, Reportable threshold = Standard

Clean Air Act Section 112(b):



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Hydroquinone (123-31-9)

### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### **16. Other information**

Revision date: 21.05.2015

Revision No: 4,04

#### **Other data**

The information is based on present levels 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.)*