

HyCeram Link

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product information

Trade name	HyCeram Link
Company	Invicon Chemical Solutions GmbH Schweizer Strasse 96 6830 Rankweil
Telephone	+43-5522-45301
Fax	+43-5522-45301-10
Email	office@invicon.at
Use of the substance/preparation	Bonding agent

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation	Mixture of dimethacrylates, alcohol, ketone, phosphate, ester and initiators
Hazardous components	< 70% Ter. But. Alcohol (CAS No. 75-65-0) <20% Methyl isobutyl ketone (CAS No. 108-10-1) 1% Benzoylperoxide (CAS.No. 94-36-0)
Further information	None

3. HAZARDS IDENTIFICATION

Highly flammable.	Do not inhale vapours. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.
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4. FIRST AID MEASURES

General advice

Remove contaminated or saturated clothing immediately and dispose of safely.

Skin contact

Wash off immediately with soap and plenty of water. If skin irritation persists, see a physician.

Eye contact

Rinse thoroughly with plenty of water, keeping the eyelid open. If eye irritation persists, consult a specialist.

Ingestion

Call a physician immediately.

Inhalation

Remove to fresh air. If respiratory is expected, call a physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Water fog, quenching powder, foam

Extinguishing media which must not be used for safety reasons

High volume water jet

Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire. In the event of fire, wear self-contained breathing equipment.

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6. ACCIDENTAL RELEASE MEASURES

Clean up with absorbent materials such as sawdust, diatomaceous earth universal absorbents.

Do not allow to flow off into the drains or waters.

Dispose of according to local and national regulations (see 13)

7. HANDLING AND STORAGE

Handling

Only adequate trained personnel should handle this product.

Keep out of reach of children.

Industrial hygiene

Usual hygienic measures are necessary.

When using, do not eat, drink or smoke

Storage

Keep containers tightly closed.

Store in cool, dry, well ventilated areas away from sources of ignition and heat.

Place of storage

Store in a cool (2-8°C) dry place.

Advice on protection against fire and explosion

No special measures required.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Technical equipment

Control airborne concentration below the exposure guideline.

Control of threshold limits

MAK (Maximale Arbeitsplatzkonzentration, Germany) is 100ppm. ACGIH (American Conference of Governmental industrial Hygienists, USA) Threshold limit Value (TVL) is 100 ppm (Ceiling)

Personal protective equipment

Hand protection

Avoid contact with skin.

Wear suitable protective gloves.

Eye protection

Avoid contact with eyes.

Safety glasses with side-shields

Hygiene measures

Observe the general safety regulations when handling chemicals.

Avoid contact with skin, eyes and clothes.

Do not eat, drink, smoke or sniff when handling the material. Wash hands and/or face before breaks and immediately after handling the material.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	clear liquid
Colour	colourless
Odour:	characteristic
Density	0.8 g/cm ³ (20°C)
Vapour pressure	not determined
Solubility in water	not determined
Ph-value	not determined
Flash point	11°C
Ignition temperature	>400 °C
Explosion limits	lower 1 vol%
	Upper 8 vol%
Further information	none

10. STABILITY AND REACTIVITY

Thermal decomposition	None, if used in accordance to instructions
Hazardous decomposition products	No hazardous decomposition products known.
Hazardous reactions	Polymerization with heat-building may occur in the presence radical initiators (e.g. peroxides)
Further information	The product is flammable. Avoid ignition sources such as flames or spark producing equipment.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Tert. Butyl alcohol: The oral LD50 for rats is 3.500 mg/kg
Benzoylperoxide: The oral LD50 for rats is > 7.710 mg/kg

Further information

The product is highly flammable . Avoid or not breathe vapour. Signs and symptoms for excessive exposure may be narcotic effects.

12. ECOLOGICAL INFORMATION

German Wassergefährdungsklasse (WGK) 1

Material is expected to be harmful to aquatic organism.

The product must not enter effluent, ground water, surface water or soil

13. DISPOSAL CONSIDERATIONS

Take to a special waste incineration plant, in line with local regulations

EC waste key

X55315

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14. TRANSPORT INFORMATION

Transport at land	GGVE / GGVS	Class 3	chipper 3b
	RID / ADR	Class 3	chipper 3b
Warning labell	UN 1120		
Packing group	II		
Overland statement	FL		

Transport at sea	GGVSee	Class 3.2	chipper 3b
ADNR	GGVSee	Class 3.2	chipper 3b
UN No	1120		
IMDG-code	3191		
EMS	3-06		
MFAG	3-05		
Sea transport statement		RFL water polution	class 1

Air transport			
UN-No	1120		
PSN	Class 3		
Subsidiary Risk	flammable liquid		
Labels	RFL		
Packing Group	II		
Passenger Aircraft	Packing instructions 305	max 5l	
Cargo Aircraft	Packing instruction 307	max 60l	

Further information	Sample shipment not allowed by mail
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15. Regulatory information

Hazard designation F: flammable – Xi: irritant



Contains Tert. Butyl alcohol (Cas No. 75-65-0) Methyl isobutyl ketone (Cas no: 108-10-1), Benzoylperoxide (Cas no 94-36-0)

Risk phrases R: 11-36/37/38-43

11 high flammable
36/37/38 Irritating to eyes, respiratory system and skin
43 May cause sensitisation by skin contact.

Safety phrases S: 9/23/16/29/2

9 Keep container in a well-ventilated place
23 Do not breathe vapour
16 Keep away from sources of ignition – No smoking
29 Do not empty into drains
2 Keep out of the reach of children

WAK value 1000 ppm

BVD classification F1

VbF A I

Further information None