

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 1 of 7

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

Stabiloplast Accelerator 448-0002

Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Polymerization accelerator

Details of the supplier of the safety data sheet

Company name:	Renfert GmbH	
Street:	Untere Giesswiesen 2	
Place:	D-78247 Hilzingen	
Telephone:	+49 7731 8208-0	Telefax: +49 7731 8208-70
e-mail:	info@renfert.com	
Contact person:	Frau Andris	Telephone: +49 7731 8208-927
Internet:	www.renfert.com	

Emergency telephone: Vergiftungs-Zentrale Freiburg
+49 761 19 240

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger : Highly flammable, Irritant
R-phrases:
Highly flammable.
Irritating to eyes.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

Label elements

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

R phrases

11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

S phrases

09	Keep container in a well-ventilated place.
16	Keep away from sources of ignition - No smoking.
23	Do not breathe Do not breathe vapour. .
24/25	Avoid contact with skin and eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
51	Use only in well-ventilated areas.

Additional advice on labelling

The R and S phrases can be omitted if the pack contains no more than 0,125 litres.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 2 of 7

SECTION 3: Composition/information on ingredients**Mixtures****Chemical characterization**

Polymerization accelerator

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-662-2	acetone; propan-2-one; propanone	> 80 %
67-64-1	F, Xi R11-36-66-67	
606-001-00-8	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
202-805-4	N,N-dimethyl-p-toluidine	< 1 %
99-97-8	T R23/24/25-33-52-53	
612-056-00-9	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Aquatic Chronic 3; H331 H311 H301 H373 ** H412	

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

SECTION 4: First aid measures**Description of first aid measures****General information**

Change contaminated clothing.

After inhalation

Provide fresh air. Seek medical attention if problems persist.

After contact with skinAfter contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, seek medical treatment.**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Immediately get medical attention.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**Extinguishing powder. Carbon dioxide (CO₂). alcohol resistant foam. Water spray.**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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 3 of 7

Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.

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

Provide adequate ventilation.
Wear personal protection equipment.
Remove all sources of ignition.

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).
Collect in closed containers for disposal.

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

Use only in well-ventilated areas.
Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking.

Further information on handling

In case of open handling, use devices with built-in suction where possible.

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

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

Advice on storage compatibility

Do not store together with: Oxidizing agents.

Further information on storage conditions

Protect against: heat.

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

CAS No	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL

Exposure controls**Occupational exposure controls**

refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not breathe vapour.
Avoid contact with skin, eye and clothing.
Wash hands before breaks and at the end of work.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 4 of 7

Respiratory protection

Respiratory protection required in case of: insufficient ventilation.

Hand protection

Tested protective gloves are to be worn: Suitable material: Butyl rubber. NBR (Nitrile rubber). PVC (Polyvinyl chloride). FKM (fluororubber).

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Environmental exposure controls

Do not empty into drains or the aquatic environment.

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

Physical state:	liquid
Colour:	clear
Odour:	characteristic

	Test method
pH-Value:	not applicable

Changes in the physical state

Boiling point:	54 °C
Flash point:	- 18 °C
Lower explosion limits:	2,1 vol. %
Upper explosion limits:	13,0 vol. %
Ignition temperature:	540 °C
Vapour pressure: (at 20 °C)	247 hPa
Density (at 20 °C):	0,80 g/cm ³
Water solubility:	miscible.
Viscosity / dynamic:	product has not been tested.

SECTION 10: Stability and reactivity**Reactivity**Reacts with : Oxidizing agents, strong.
Reacts violently with peroxides.**Chemical stability**

See chapter 7. No further action is necessary.

Possibility of hazardous reactions

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Conditions to avoidKeep away from heat/sparks/open flames/hot surfaces. - No smoking.
Vapours may form explosive mixtures with air.**Incompatible materials**

Reacts with : Oxidizing agents, strong.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 5 of 7

Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information
Information on toxicological effects
Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50	5800 mg/kg	Rat	RTECS
	dermal	LD50 mg/kg	20000	Rabbit	IUCLID
99-97-8	N,N-dimethyl-p-toluidine				
	oral	ATE	100 mg/kg		
	dermal	ATE	300 mg/kg		

Irritation and corrosivity

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: irritant.

Sensitising effects

no danger of sensitization.

Empirical data on effects on humans

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Has de-greasing effect on the skin.

Further information

product has not been tested. The statement is derived from the properties of the components.

SECTION 12: Ecological information
Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	h	Species	Source
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50	5540 mg/l	96	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50	6100 mg/l	48	Daphnia magna	

Persistence and degradability

There are no data available on the mixture itself.

Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24
99-97-8	N,N-dimethyl-p-toluidine	2,81

Mobility in soil

There are no data available on the mixture itself.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 6 of 7

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Further information

Ecological information refers to main component.

product has not been tested. The statement is derived from the properties of the components.

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

Carry out a burning of hazardous waste according to official regulations.

Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging

Handle contaminated packaging in the same way as the substance itself.

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

UN number: 1090
UN proper shipping name: ACETON
Transport hazard class(es): 3
Packing group: II

Marine transport

UN number: 1090
UN proper shipping name: ACETONE (ACETONE SOLUTIONS)
Transport hazard class(es): 3
Packing group: II
Marine pollutant: no

Air transport

UN/ID number: 1090
UN proper shipping name: ACETONE
Transport hazard class(es): 3
Packing group: II

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

1999/13/EC (VOC): 100 % (800 g/l)

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

Page 7 of 7

Full text of R-phrases referred to under sections 2 and 3

- | | |
|----------|---|
| 11 | Highly flammable. |
| 23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| 33 | Danger of cumulative effects. |
| 36 | Irritating to eyes. |
| 52 | Harmful to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness. |

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

- | | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Reserved for industrial and professional use.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Kunststoff 448-0003

Print date: 13.04.2012

Product code: 448-0003

Page 1 of 6

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

Stabiloplast Kunststoff 448-0003

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:	Renfert GmbH	
Street:	Untere Giesswiesen 2	
Place:	D-78247 Hilzingen	
Telephone:	+49 7731 8208-0	Telefax: +49 7731 8208-70
e-mail:	info@renfert.com	
Contact person:	Frau Andris	Telephone: +49 7731 8208-927
Internet:	www.renfert.com	

Emergency telephone: Vergiftungs-Zentrale Freiburg
+49 761 19 240

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger : Irritant

R-phrases:

Irritating to eyes, respiratory system and skin.

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

Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

R phrases

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

S phrases

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.
51 Use only in well-ventilated areas.
24/25 Avoid contact with skin and eyes.

Special labelling of certain mixtures

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

Additional advice on labelling

The R and S phrases can be omitted if the pack contains no more than 0,125 litres.

SECTION 3: Composition/information on ingredients**Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Kunststoff 448-0003

Print date: 13.04.2012

Product code: 448-0003

Page 2 of 6

Chemical characterization

Adhesive (Ethyl-2-cyanoacrylat)

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
230-391-5	ethyl 2-cyanoacrylate	> 10 %
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.

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

Provide fresh air. Seek medical attention if problems persist.

After contact with skinAfter contact with skin, wash immediately with: Water and soap.
In case of skin irritation, seek medical treatment.**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Immediately get medical attention.

Most important symptoms and effects, both acute and delayed

shortage of breath.

Indication of any immediate medical attention and special treatment needed

In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiluson spray, Pulmicort-dosage-spray. (Auxiluson and Pulmicort are registered trademarks).

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO₂). Water spray.**Special hazards arising from the substance or mixture**Thermal decomposition can lead to the escape of irritating gases and vapours.
Can be released in case of fire: Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**Advice for firefighters**In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**Wear personal protection equipment.
Provide adequate ventilation.**Environmental precautions**

Do not empty into drains or the aquatic environment.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Kunststoff 448-0003

Print date: 13.04.2012

Product code: 448-0003

Page 3 of 6

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Allow stiffening. Collect mechanically.

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

Handle and open container with care.
Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Further information on handling

In case of open handling equipment with built-in suction must be used.

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

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

Advice on storage compatibility

Do not store together with: Alkalis (alkalis).

Further information on storage conditions

Do not store at temperatures over: 10°C
Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

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

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

Exposure controls**Occupational exposure controls**

refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not breathe vapour.
Avoid contact with skin, eye and clothing.
Wash hands before breaks and at the end of work.
Protect skin by using skin protective cream.

Respiratory protection

Respiratory protection required in case of: insufficient ventilation.

Hand protection

Tested protective gloves are to be worn: Suitable material: Synthetic rubber gloves
In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Environmental exposure controls

Do not empty into drains or the aquatic environment.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Kunststoff 448-0003

Print date: 13.04.2012

Product code: 448-0003

Page 4 of 6

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

Physical state: liquid
Colour: blue
Odour: characteristic

Test method

pH-Value: not applicable

Changes in the physical state

Boiling point: > 200 °C

Flash point: 87 °C DIN 51758

Explosive properties

not explosive.

Density (at 20 °C): 1,05 - 1,09 g/cm³

Water solubility: practically insoluble

Viscosity / dynamic:
(at 25 °C) 2 - 20.000 mPa·s**SECTION 10: Stability and reactivity****Reactivity**

Reacts with : Water. Alkalis (alkalis). Amines. Oxidizing agents.

Chemical stability

refer to chapter 7. No further action is necessary.

Possibility of hazardous reactions

Polymerisation with evolution of heat.

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

Irritant effect on the skin: irritant.

species: Rabbit.

Irritant effect on the eye: irritant.

species: Rabbit.

Sensitising effects

May cause sensitization by inhalation.

Empirical data on effects on humans

Irritating to eyes, respiratory system and skin.

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

SECTION 12: Ecological information**Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Further information

Do not allow uncontrolled leakage of product into the environment.

product has not been tested. Due to the consistency along with the low water solubility of the product, bioavailability is unlikely.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Kunststoff 448-0003

Print date: 13.04.2012

Product code: 448-0003

Page 5 of 6

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Remove according to the regulations.

Waste disposal number of waste from residues/unused products

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

Handle contaminated packaging in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC): not applicable

National regulatory information

Water contaminating class (D): 2 - 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

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Safety Data Sheet

according to Regulation (EC) No 1907/2006

Stabiloplast Kunststoff 448-0003

Print date: 13.04.2012

Product code: 448-0003

Page 6 of 6

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