

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Stabiloplast Accelerator 448-0002

Print date: 03.05.2012

Product code: 448-0002

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#### 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.

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**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 skin**After 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 (CO<sub>2</sub>). 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.

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**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 <sup>3</sup> | mg/m <sup>3</sup> | 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.

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**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 |

|           |                    |
|-----------|--------------------|
|           | <b>Test method</b> |
| 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:<br>(at 20 °C) | 247 hPa                      |
| Density (at 20 °C):            | 0,80 g/cm <sup>3</sup>       |
| 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 avoid**Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Vapours may form explosive mixtures with air.**Incompatible materials**

Reacts with : Oxidizing agents, strong.

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#### 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<br>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.

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#### 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)**

|                                    |        |
|------------------------------------|--------|
| <b>UN number:</b>                  | 1090   |
| <b>UN proper shipping name:</b>    | ACETON |
| <b>Transport hazard class(es):</b> | 3      |
| <b>Packing group:</b>              | II     |

#### **Marine transport**

|                                    |                             |
|------------------------------------|-----------------------------|
| <b>UN number:</b>                  | 1090                        |
| <b>UN proper shipping name:</b>    | ACETONE (ACETONE SOLUTIONS) |
| <b>Transport hazard class(es):</b> | 3                           |
| <b>Packing group:</b>              | II                          |
| Marine pollutant:                  | no                          |

#### **Air transport**

|                                    |         |
|------------------------------------|---------|
| <b>UN/ID number:</b>               | 1090    |
| <b>UN proper shipping name:</b>    | ACETONE |
| <b>Transport hazard class(es):</b> | 3       |
| <b>Packing group:</b>              | 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

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**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.

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