

Weicon GmbH

Revision date: 04.01.2010

Revision no.:

1,00

RK-1300 / RK-1500 Activator

7619-0115

## **1. Product and Company Identification**

### **Commercial product name**

RK-1300 / RK-1500 Activator

### **Further trade names**

10562

### **Chemical characterization ( Mixture )**

Preparation in butanone

### **Company/undertaking identification**

#### **Manufacturer**

Weicon GmbH

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## **2. Hazards Identification**

### **Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

### **Signs and Symptoms of Exposure**

DANGER!

Highly flammable

Irritant to eyes.

May cause sensitization by skin contact.

Vapours can cause drowsiness and dizziness.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

## **3. Composition/Information on Ingredients**

### **Hazardous components**

CAS No.	Components	Quantity
78-93-3	butanone; ethyl methyl ketone	>60 - 99 %
94-36-0	dibenzoyl peroxide; benzoyl peroxide	7 - 13 %
84-61-7	dicyclohexyl-phthalate	7 - 13 %

## **4. First Aid Measures**

### **General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

Take away from danger area and lay down affected person.

### **After inhalation**

Move to fresh air in case of accidental inhalation of vapours.

If you feel unwell, seek medical advice.

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**After contact with skin**

Wash off with soap and plenty of water.  
Consult a doctor if skin irritation persists.

**After contact with eyes**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.  
Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
Summon a doctor immediately.  
.If swallowed seek medical advice immediately and show the doctor packing or label.

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**5. Fire Fighting Measures**

**Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable extinguishing media**

Full water jet

**Special hazards arising from the chemical**

Fire may produce:  
Carbon monoxide and carbon dioxide.

**Protective equipment and precautions for firefighters**

Use breathing apparatus with independent air supply.  
Protective suit

**Additional information**

Vapours are heavier than air and spread along ground.  
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**6. Accidental Release Measures**

**Personal precautions**

In case of vapour formation use respirator.  
Use only explosion-proof equipment.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.  
Do not discharge into the subsoil/soil.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Shovel into suitable container for disposal.

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**7. Handling and Storage**

**Handling**

**Advice on safe handling**

Keep container tightly closed.  
Vapours are heavier than air and spread along ground.  
Use only in thoroughly ventilated areas.  
Avoid contact with skin, eyes and clothing.

**Advice on protection against fire and explosion**

Do not smoke - volatile.  
Keep away from heat and sources of ignition.

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Take precautionary measures against static discharges.

Use only explosion-proof equipment.

### **Storage**

#### **Requirements for storage rooms and vessels**

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

Pay attention to anti-explosion rules.

Protect from direct solar radiation.

#### **Advice on storage compatibility**

Incompatible with oxidizing agents.

#### **Further information on storage conditions**

Do not keep at temperatures above 20°C.

Do not keep at temperatures below 10°C.

## **8. Exposure Controls/Personal Protection**

### **Exposure limit values**

#### **Exposure limits**

CAS No.	Components	ppm	mg/m <sup>3</sup>	fib/cc	Category	Origin
78-93-3	2-Butanone	200	590		TWA (8 h)	REL
		300	885		STEL (15 min)	REL
78-93-3	2-Butanone (Methyl ethyl ketone)	200	590		TWA (8 h)	PEL
94-36-0	Benzoyl peroxide	-	5		TWA (8 h)	PEL
		-	5		TWA (8 h)	REL
		-	5		TWA (8 h)	TLV
		-	-		STEL (15 min)	TLV
		-	-		Peak	TLV
78-93-3	Methyl ethyl ketone (MEK)	200	590		TWA (8 h)	TLV
		300	885		STEL (15 min)	TLV
		-	-		Peak	TLV

#### **Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Keep away from food and drink.

#### **Protective and hygiene measures**

Do not inhale vapours.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Remove and wash contaminated clothes before re-use.

#### **Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

#### **Hand protection**

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

#### **Eye protection**

Tightly fitting goggles

#### **Skin protection**

Protective clothing

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## 9. Physical and Chemical Properties

### Appearance

Form: Liquid  
 Color: Light yellow  
 Odor: Solvent-like

### Important health, safety and environmental information

#### Changes in the physical state

	Test method
Melting point:	< 0 °C ASTM D 97
Boiling point:	approx. 80 °C ASTM D1078
Flash point:	< - 4 °C
Lower explosion limits:	1,8 vol. %
Upper explosion limits:	11,5 vol. %
Vapour pressure: (at 20 °C)	approx. 100 hPa
Density (at 25 °C):	0,87 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Difficult to dissolve
Vapour density: (at 20 °C)	> 1

### Other information

Ignition temperature: > 500 °C

## 10. Stability and Reactivity

### Stability

Stable

### Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

### Materials to avoid

Reactions with reducing agents, heavy metals.

Reactions with acids.

Reactions with alkalies.

### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Toxic gases/vapours

### Possibility of Hazardous Reactions

Will not occur

### Additional information

No decomposition if stored and applied as directed.

## 11. Toxicological Information

### Acute toxicity

LD50/oral : >2000 mg/kg Rat Information refers to main component.

LD50/dermal : > 5000 mg/kg Rabbit

LC50/inhalation : 20 mg/kg Rat Information refers to main component.

### Corrosive and irritant effects

Skin irritation : Non-irritant Rabbit

Eye irritation : Irritant Rabbit eye

Irritates mucous membranes.

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**Sensitizing effects**

Skin sensitization, remark : Sensitizing Guinea pig

**12. Ecological Information****Ecotoxicity**

Fish LC50 : &gt;1000 mg/l

Daphnia EC50 : &gt;1000 g/m3

Algae EC50 : &gt;1000 g/m3

Toxicity to bacteria EC50 : &gt;1000 g/m3

**Further information**

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

**13. Disposal Considerations****Advice on disposal**

Remove in accordance with local official regulations.

Where possible recycling is preferred to disposal.

If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

**14. Transport Information****US DOT 49 CFR 172.101****Proper shipping name**

Paint related material

ID Number: UN1263

Hazard Class or Division: 3

Packing group: II

Label: 3

**Land transport (ADR/RID)**

UN number: 1263

ADR/RID class: 3

Warning plate

Hazard-no.: 33

Hazard label: 3



ADR/RID packing group: II

**Description of the goods**

Paint related material

**Other applicable information**

LQ 6: combination packaging: 5 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

Additional label with symbol "fish and tree" according to subsection 5.2.1.8.3. ADR for single packagings and inner packagings with &gt; 5 kg or 5 L, transition period ends 31.12.2010.

**Marine transport**

UN number: 1263

IMDG code: 3

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Marine pollutant: No

Hazard label: 3



IMDG packing group: II

EmS: F-E; S-E

**Description of the goods**

PAINT RELATED MATERIAL

**Other applicable information**

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Air transport**

UN/ID number: 1263

ICAO/IATA-DGR: 3

Hazard label: 3



ICAO packing group: II

IATA-packing instructions - Passenger: 305

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 307

IATA-max. quantity - Cargo: 60 L

**Description of the goods**

PAINT RELATED MATERIAL

**15. Regulatory Information****U.S. Regulations****National Inventory TSCA**

All of the components are on the TSCA Inventory.

**SARA**

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

**State Regulations**

This product contains max VOC: 78%

**16. Other Information****Hazardous Materials Information Label (HMIS)**

Health: \*2

Flammability: 3

Physical Hazard: 0

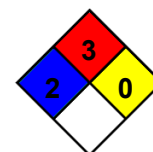
**NFPA Hazard Ratings**

Health: 2

Flammability: 3

Reactivity: 0

Unique Hazard:

**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in



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case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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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.)*