

# RIGICON

## 1. PRODUCT / COMPANY IDENTIFICATION

### Product identifier

Commercial Product Name : **Rigicon**

### Relevant identified uses of the substance or mixture and uses advised against

Main use Substance/ Mixture :        Electronic industry  
   Polishing agent for surfaces.

### Identification of the company

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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

GHS Classification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2 Label elements

GHS-Labeling

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.3 Other hazards

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

#### Chemical characterization

Colloidal suspension of amorphous silica, stabilized in an acid medium. Free from crystalline silica.

SiO<sub>2</sub> content : approx. 30 %

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

#### Remarks

#### Non-hazardous ingredients

**Synthetic Amorphous Silicon Dioxide (CAS 7631-86-9 / CAS 112926-00-8)**

Registration number : 01-2119379499-16-xxxx

# RIGICON

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.  
If you feel unwell, seek medical advice (show the label where possible).
- Inhalation : If breathed in, move person into fresh air.
- Skin contact : In case of contact with skin wash off immediately with plenty of water  
Consult a doctor if skin irritation persists.
- Eye contact : Rinse the affected eye immediately with plenty of water at the same time  
keep the unaffected eye well protected.
- Ingestion : In case of problems seek medical advice and show the package or label

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

- Suitable extinguishing media : Water spray jet  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Use extinguishing measures that are appropriate to local  
circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : None known.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters:  
Well closed full protective clothing (coat and pants) including helmet.  
Use self-contained breathing apparatus

### Further information:

- Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6. FIREFIGHTING MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : See: Exposure controls and personal protection.

### 6.2 Environmental precautions

- Environmental precautions : Do not let product enter drains.  
Do not allow contact with soil, surface or ground water.

## RIGICON

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Pick up with liquid binding materials and if necessary fill in containers capable of being locked.  
Containers in which spilt substance has been collected must be adequately labelled  
Dispose of absorbed material in accordance with the regulations.  
Clean contaminated floors and objects thoroughly, observing environmental regulations

### 6.4 Reference to other sections

Additional advice : Information regarding Safe handling, see chapter 7.  
Information regarding personal protective measures see, chapter 8.  
Information regarding Waste Disposal, see chapter 13.

## 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
During spraying, wear suitable respiratory equipment.  
Advice on protection against fire and explosion : Observe the general rules of industrial fire protection

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.  
Use polyolefine containers.  
Do not use steel containers.  
Further information on storage conditions : Keep containers tightly closed in a dry, cool and well ventilated place.  
Protect against frost. The product after freezing is no longer usable.  
Advice on common storage : Do not store or transport together with foodstuffs  
Other data : Storage period: 12 month

### 7.3 Specific end use(s)

No information available.

## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

## RIGICON

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

Respiratory protection	:	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Half mask with a particle filter P2 (EN 143)
Hand protection	:	Nitrile rubber
Break through time	:	> 10 min
Glove thickness	:	> 0,4 mm
		Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	protective clothing
Hygiene measures	:	When using do not eat, drink or smoke. Keep away from food and drink. Wash hands before breaks and at the end of workday. Use barrier skin cream.
Protective measures	:	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Environmental exposure controls
General advice	:	Do not let product enter drains. Do not allow contact with soil, surface or ground water.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Appearance

Form	:	Liquid
Colour	:	Milky white
Odour	:	Odourless

#### Safety data

Flash point	:	Not determined
Ignition temperature	:	Not applicable
Thermal decomposition	:	Not determined
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flammability (solid, gas)	:	Not applicable
Oxidizing properties	:	Not applicable
Auto-ignition temperature	:	Not applicable
Burning number	:	Not applicable
pH	:	3,5 - 4,5 (20 °C)

**RIGICON**

Solidifying temperature	:	From 0 °C
Boiling point/boiling range	:	Ca. 100 °C
Sublimation point	:	Not determined
Vapour pressure	:	Similar to water
Density	:	1,19 - 1,21 g/cm <sup>3</sup> , 20 °C
Water solubility	:	Miscible in all proportions
Partition coefficient n-octanol/water	:	Not determined
Solubility in other solvents	:	Not determined
Viscosity, dynamic	:	Not determined
Viscosity, kinematic	:	Not determined
Relative vapour density	:	Not determined
Corrosive in contact with metals	:	Not determined
Evaporation rate	:	Not determined
Particle size	:	Ca. 50 nm

**9.2 Other information**

Further information : Remarks: No information available.

<b>10: STABILITY AND REACTIVITY</b>
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**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

Conditions to avoid : Protect from frost.

**10.5 Incompatible materials**

Materials to avoid : no data available

**10.6 Hazardous decomposition products**

Hazardous decomposition products:

No decomposition if stored and applied as directed.

<b>11: TOXICOLOGICAL INFORMATION</b>
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**11.1 Information on toxicological effects****Product**

Acute oral toxicity : No data available

## RIGICON

Acute inhalation toxicity	:	Acute Toxicity Estimate (ATE): > 5 mg/l
Acute dermal toxicity	:	Acute Toxicity Estimate (ATE): > 2.000 mg/kg
Skin corrosion/irritation	:	Rabbit, Result: non-irritant, OECD
Serious eye damage/eye irritation	:	Rabbit eye, Result: non-irritant, OECD
Respiratory or skin sensitisation	:	No data available

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: Not applicable

#### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: Not applicable

#### 12.5 Results of PBT and vPvB assessment

Not relevant

#### 12.6 Other adverse effects

**Product:**

Additional ecological

Information : The product, since it is an inorganic, non-reducing type of substance, has neither a BOD nor a COD.

### 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product : Neutralize  
Dispose of contents/ container to an approved waste disposal plant.

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

# RIGICON

## 14. TRANSPORT INFORMATION

### ADR

Not dangerous goods

### IATA

Not dangerous goods

### IMDG

Not dangerous goods

### RID

Not dangerous goods

Permitted.

## 15: REGULATORY INFORMATION

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors:  
Neither banned nor restricted

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):  
Neither banned nor restricted

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:  
Neither banned nor restricted

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):  
This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV):  
Neither banned nor restricted

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:  
Neither banned nor restricted

Regulation (EC) No 850/2004 on persistent organic pollutants:  
Neither banned nor restricted

# RIGICON

## 16: OTHER INFORMATION

Decimal notation: "Thousands" places are identified with a dot (example: 2.000 mg/kg means "two thousand mg/kg"). Decimal places are identified with a comma (example: 1,35 g/cm<sup>3</sup>)

### Further information

Further information:

Observe national and local legal requirements

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.