

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 10/01/2017	Trade name:	Page: 1/6
Reviewed on:	<b>SILICON UNI</b>	Version: 1.0

### 1. Section 1. Identification of the substance/mixture and of the company/undertaking:

#### 1.1. Product identifier:

Trade name: **SILICON UNI**  
Product code: **1 V100001 - 6R**

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

Uses of the mixture: Universal Silicone - sealing and bonding.  
For professional and industrial use only.  
Uses advised against: The product must not be used for any purposes other than those specified under heading 1.

#### 1.3. Details of the supplier of the safety data sheet:

Identification of manufacturer/Supplier:  
RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha 5 - Stodůlky  
Telephone number/Fax: +420 327 596 128, +420 327 596 428  
E-mail: info@retech.cz

1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic  
Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Toxikologické informační středisko (Toxicology information centre),  
Na bojišti 1, 128 08 PRAHA 2, Czech Republic  
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

### 2. Section 2. Hazard identification:

#### 2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:  
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008.

#### 2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Signal Word: void.  
Hazard Statements: void.  
Precautionary Statements: void.

Supplemental Hazard information (EU):  
EUH210 Safety data sheet available on request.

#### 2.3. Other hazards:

During vulcanisation butanol and acetic acid is released.

Results of PBT and vPvB assessment:

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 3. Section 3. Composition/information on ingredients:

#### 3.2. Mixtures:

Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 64742-46-7	Distillates (petroleum), hydrotreated middle	20 - 30 %
EC Nr.: 265-148-2	Asp. Tox. 1, H304	
Index: 649-221-00-X		
Reg.Nr.: 01-2119552497-29		
CAS: 4253-34-3	Triacetoxymethylsilane	< 2.5 %
EC Nr.: 224-221-9	Acute Tox. 4, H302; Skin Corr. 1C, H314	

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CAS: 17689-77-9	Triacetoxyethylsilane	< 2 %
EC Nr.: 241-677-4	Acute Tox. 4, H302; Skin Corr. 1B, H314; Eye Dam 1, H318	
Reg.Nr.: 01-2119881778-15		

For full text of H-statements: see SECTION 16

#### 4. Section 4. First aid measures:

##### 4.1. Description of first aid measures:

General notes: When in doubt or if symptoms are observed, get medical advice.  
 After inhalation: Normally the product cannot be breathed in.  
 After skin contact: Remove excess material with cloth or paper mechanically.  
 After contact with skin, wash immediately with plenty of water and soap.  
 Consult a doctor when there are visible signs of change on the skin or other complaints (if possible present the label or safety data sheet).  
 After eye contact: Immediately rinse with copious amounts of water.  
 Consult a doctor when irritation persists.  
 After swallowing: Rinse mouth immediately and drink large quantities of water.  
 Do not induce vomiting.

##### 4.2. Most important symptoms and effects, both acute and delayed:

After inhalation: Not expected.  
 After skin contact: Not expected.  
 After eye contact: Not expected.  
 After swallowing: Not expected.

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

Symptomatic treatment.

#### 5. Section 5. Fire fighting measures:

##### 5.1. Extinguishing media:

Suitable extinguishing agents: Water haze, carbon dioxide, fire-extinguishing powder, alcohol resistant foam.  
 Unsuitable extinguishing agents: Water with full jet.

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

In case of fire, the following can be released: nitrogen oxides (NOx).  
 Inhaling dangerous decomposition products can cause serious health defects.

##### 5.3. Advice for firefighters:

Wear protective clothing and self-contained breathing apparatus.  
 Cool endangered receptacles with water spray.  
 Do not allow contaminated extinguishing water to reach the sewage system.

#### 6. Section 6. Accidental release measures:

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

The mixture is non-flammable.  
 Wear protective equipment, see Section 8.

##### 6.2. Environmental precautions:

Do not allow to enter sewage system, surface water, ground water or soil.

##### 6.3. Methods and material for containment and cleaning up:

That Prevent stubborn deposits strewe bleaching earth or sand on the surface, and remove the material with a mechanical means.  
 Sweep or scrape up spilled material, collecting it in a special receptacle for chemical waste.  
 Remove any residual loose lining with detergent (e.g. soap solution).  
 To improve grip, apply sand or other inert, grainy materials.  
 Dispose contaminated material as waste according to Section 13.

##### 6.4. Reference to other sections:

See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

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### 7. Section 7. Handling and storage:

#### 7.1. Precautions for safe handling:

Protective measures: Wear protective equipment, see Section 8.  
Butanol and acetic acid may be released during vulcanisation.  
Ensure good ventilation/exhaustion at the workplace.

Measures to prevent fire: Vapors May form in closed rooms with air Mixtures, leading to an explosion in the presence of ignition sources.  
Keep ignition sources away. Do not smoke.  
Protect against electrostatic charges.

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

Requirements for storage rooms and vessels:  
Keep receptacle tightly sealed.

Technical measures and storage conditions:  
Store in a cool, dry, well-ventilated place.

Further information on storage conditions:  
Storage class: 12 (non-combustible liquids)

#### 7.3. Specific end use(s):

No further relevant information available.

### 8. Section 8. Exposure controls/personal protection:

#### 8.1. Control parameters:

Components with limit values that require monitoring at the workplace:

WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
71-36-3	Butan-1-ol	-	-	50	154	Skin

OEL (EU): 2000/39/EG, 2006/15/EG, 2009/161/EG

Contains no substances with occupational exposure limit values.

Additional information: The lists that were valid during the compilation were as basis.

#### 8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

General protective measures: Wash hands before breaks and at the end of work.  
Do not eat, drink or smoke when using this product.

Personal protection equipment:

Respiratory protection: Not required.

Eye protection: Not required.

Hand protection: Not required.

After contact with skin, first remove the product and then wash the skin.

Skin protection: Not required.

After contact with skin, first remove the product and then wash the skin.

### 9. Section 9. Physical and chemical properties:

#### 9.1. Information on basic physical and chemical properties:

Paste.

Form: Liquid form at 20 °C.

Colour: According to product specification – transparent/white/black

Odour: Vinegar-like.

Odour threshold: Not determined.

Value pH at 20 °C: Not determined.

Melting point/freezing point: Not determined.

Initial boiling point/boiling range: Not determined.

Flash point: Not determined.

Evaporation rate: Not determined.

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<p>Flammability (solid, gas): Not determined.  Explosive properties: The product is not explosive.  Explosive limits:  - lower: Not determined.  - upper: Not determined.  Vapour pressure at 20°C: Not determined.  Vapour density at 20 °C: Not determined.  Density at 20°C: 0.97 - 1.05 g/cm<sup>3</sup>  Relative density: 0.97 - 1.05 (water = 1)  Solubility in/miscibility: Water: Insoluble. Vulcanises on contact with moisture in the air.  Partition coefficient (n-octanol/water): Not determined.  Ignition temperature: Not determined.  Decomposition temperature: Not determined.  Self-ignition temperature: Not determined.  Viscosity: Not determined.  Oxidising properties: No oxidising properties.  9.2. Other information: No further relevant information available.</p>	
<p><b>10. Section 10. Stability and reactivity:</b></p> <p>10.1. Reactivity: The mixture is non-flammable.  Reacts with water.  Reaction causes the formation of acetic acid.</p> <p>10.2. Chemical stability: Stable under normal conditions.</p> <p>10.3. Possibility of hazardous reactions: Stable under normal conditions.</p> <p>10.4. Conditions to avoid: No decomposition if used according to specifications.</p> <p>10.5. Incompatible materials: Water, alcohols and bases.</p> <p>10.6. Hazardous decomposition products: In case of fire, the following can be released: e.g. carbon oxides, formaldehyde.</p>	
<p><b>11. Section 11. Toxicological information:</b></p> <p>11.1. Information on toxicological effects:</p> <p>Acute toxicity: Based on available data, the classification criteria are not met.</p> <p>Skin corrosion/irritation: Based on available data, the classification criteria are not met.  Silicone sealants containing &lt; 5 % of triactoxyethylsilane and trimethoxysilane are not classified as corrosive / irritating to skin.</p> <p>Serious eye damage/irritation: Based on available data, the classification criteria are not met.  Silicone sealants containing &lt; 5 % of triactoxyethylsilane and trimethoxysilane are not classified as irritating to eyes.</p> <p>Respiratory or skin sensitization: Based on available data, the classification criteria are not met.</p> <p>Germ cell mutagenicity: Based on available data, the classification criteria are not met.</p> <p>Carcinogenicity: Based on available data, the classification criteria are not met.</p> <p>Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>STOT-single exposure: Based on available data, the classification criteria are not met.</p> <p>STOT-repeated exposure: Based on available data, the classification criteria are not met.</p> <p>Aspiration hazard: Based on available data, the classification criteria are not met.</p> <p>Other information: No further relevant information available.</p>	
<p><b>12. Section 12. Ecological information:</b></p> <p>12.1. Toxicity:</p> <p>Aquatic toxicity: Based on available data, the classification criteria are not met.</p> <p>12.2. Persistence and degradability: Not biodegradable.</p> <p>12.3. Bioaccumulative potential: Bioaccumulation is not expected.</p> <p>12.4. Mobility in soil: Insoluble in water.  No adverse effect expected.</p>	

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12.5. Results of PBT and vPvB assessment:

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6. Other adverse effects:

No further relevant information available.

**13. Section 13. Disposal considerations:**

13.1. Waste treatment methods:

Product disposal:

Transfer to a suitable container and arrange for collection by specialised disposal company.

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

European Waste Catalogue:

08 04 09\* waste adhesives and sealants containing organic solvents or other hazardous substances

(\*hazardous waste)

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Packagings disposal:

Disposal must be made according to official regulations.

European Waste Catalogue:

15 01 10\* packaging containing residues of or contaminated by hazardous substances

(\*hazardous waste)

Other disposal recommendations:

Disposal must be made according to official regulations.

The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

**14. Section 14. Transport information:**

14.1. UN number:

ADR, ADN, IMDG, IATA

This product does not require a classification for transport.

14.2. UN proper shipping name:

ADR, ADN, IMDG, IATA

Not applicable.

14.3. Transport hazard class(es):

ADR, ADN, IMDG, IATA

Class

Not applicable.

Hazard label

Not applicable.

14.4. Packing group:

ADR, ADN, IMDG, IATA

Not applicable.

14.5. Environmental hazards:

Marine pollutant:

Not applicable.

14.6. Special precautions for user:

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable

**15. Section 15. Regulatory information:**

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)

Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended

Commission Decision 2000/532/EC establishing a list of wastes, as amended

Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended

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Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended  
Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values  
Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values  
Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16. Section 16. Other information:**

Relevant H-statements (Section 3):

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC-Number: EINECS and ELINCS Number

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

Reg.nr.: Registration number

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Acute Tox. 4: Acute toxicity, category 4

Asp. Tox. 1: Aspiration hazard, category 1

Eye Dam. 1: Serious eye damage, category 1

Skin Corr. 1: Skin corrosion, category 1

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**\*Compared to the last version the data has been changed.**