



Safety Data Sheet according to (EC) No 1907/2006

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UV VERGUSSMASSE 5091 315G VE2

sds no. : 152779
V003.1

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

UV VERGUSSMASSE 5091 315G VE2

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

Intended use:
Silicone sealant

Details of the supplier of the safety data sheet:

Henkel Limited
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AL109EY Herfordshire Hatfield

Great Britain

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24 Hours Emergency Tel: +44 (0)1442 278497

2. Hazards identification

Classification of the substance or mixture:

Classification (DPD):

Xi - Irritant
R36/38 Irritating to eyes and skin.

Label elements (DPD):

Xi - Irritant

**Risk phrases:**

R36/38 Irritating to eyes and skin.

Safety phrases:

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water and soap.

Other hazards:

None if used properly.

3. Composition/information on ingredients**General chemical description:**

UV Curing Silicone Compound

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Methacryloxypropyltriacetoxysilane 51772-85-1	257-407-3	1- 5 %	
2,2-Diethoxyacetophenone 6175-45-7	228-220-4	1- 5 %	
Diacetoxidi-t-butoxysilane 13170-23-5	236-112-3	1- 5 %	
Dibutyltin dilaurate 77-58-7	201-039-8	0,1- 0,3 %	Specific target organ toxicity - repeated exposure 1 H372 Toxic to reproduction 1B H360FD Germ cell mutagenicity 2 H341 Acute toxicity 4 H302 Serious eye irritation 2 H319 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Methacryloxypropyltriacetoxysilane 51772-85-1	257-407-3	1 - 5 %	C - Corrosive; R34 Xn - Harmful; R20/21
2,2-Diethoxyacetophenone 6175-45-7	228-220-4	1 - 5 %	Xi - Irritant; R37
Diacetoxydi-t-butoxysilane 13170-23-5	236-112-3	1 - 5 %	C - Corrosive; R34
Dibutyltin dilaurate 77-58-7	201-039-8	0,1 - 0,3 %	T - Toxic; R48/25 Toxic for reproduction - category 2.; T - Toxic; R60, R61 Xn - Harmful; R22 Mutagen category 3.; Xn - Harmful; R68 Xi - Irritant; R36 N - Dangerous for the environment; R50/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

4. First aid measures**Description of first aid measures:****Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.
Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Do not induce vomiting.
Seek medical advice.

Most important symptoms and effects, both acute and delayed:

SKIN: Rash, Urticaria.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

5. Firefighting measures**Extinguishing media:****Suitable extinguishing media:**

Carbon dioxide, foam, powder
Fine water spray

Extinguishing media which must not be used for safety reasons:

None known

Special hazards arising from the substance or mixture:

None
carbon oxides.
Silica fume
Formaldehyde

Advice for firefighters:

Wear self-contained breathing apparatus.

Additional information:

In case of fire, keep containers cool with water spray.

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

Avoid contact with skin and eyes.
Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods and material for containment and cleaning up:

Scrape up as much material as possible.
Ensure adequate ventilation.
Store in a partly filled, closed container until disposal.

Reference to other sections:

See advice in chapter 8

7. Handling and storage**Precautions for safe handling:**

Use only in well-ventilated areas.
Vapours should be extracted to avoid inhalation.

Hygiene measures:

Good industrial hygiene practices should be observed.

Conditions for safe storage, including any incompatibilities:

Protect against contamination.
Store in sealed original container protected against moisture and light.

Store in a cool, well-ventilated place.

Specific end use(s):

Silicone sealant

8. Exposure controls/personal protection**Control parameters:**

Valid for
Great Britain
Basis
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
TIN COMPOUNDS, ORGANIC, EXCEPT CYHEXATIN (ISO), (AS SN) 77-58-7		0,1	Time Weighted Average (TWA):		EH40 WEL
TIN COMPOUNDS, ORGANIC, EXCEPT CYHEXATIN (ISO), (AS SN) 77-58-7		0,2	Short Term Exposure Limit (STEL):		EH40 WEL
TIN COMPOUNDS, ORGANIC, EXCEPT CYHEXATIN (ISO), (AS SN) 77-58-7			Skin designation:	Can be absorbed through the skin.	EH40 WEL

Exposure controls:

Respiratory protection:
Use only in well-ventilated areas.

Hand protection:

The use of chemical resistant gloves such as Nitrile are recommended.

Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Wear protective glasses.

Skin protection:

Wear suitable protective clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	paste Clear
Odor	Acetic acid
pH	Not applicable
Initial boiling point	Not determined
Flash point	> 93,3 °C (> 199,94 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	< 10 mm hg
Density ()	1,1 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (Solvent: Water)	Polymerises in presence of water.
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	Heavier than air
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

10. Stability and reactivity

Reactivity:

Strong oxidizing agents.

Polymerises in presence of water.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.

Incompatible materials:

No data available.

Hazardous decomposition products:

Acetic acid is liberated slowly upon contact with moisture.
At higher temperatures (>150C) may release formaldehyde (traces).

11. Toxicological information

General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

This material is considered to have low toxicity if swallowed.

Inhalative toxicity:

Acetic acid is liberated slowly upon contact with moisture.
Inhalation of vapors in high concentration may cause irritation of respiratory system

Skin irritation:

Prolonged or repeated contact may cause skin irritation.

Eye irritation:

Prolonged or repeated contact may cause eye irritation.
Acetic acid released during polymerisation of acetoxy curing RTV silicones is irritating to the eyes

12. Ecological information

General ecological information:

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.
In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.
Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.
The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Ecotoxicity:

Do not empty into drains / surface water / ground water.

Mobility:

Cured adhesives are immobile.

Persistence and Biodegradability:

The product is not biodegradable.

Bioaccumulative potential:

No data available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Dibutyltin dilaurate 77-58-7	LC50	7,6 mg/l	Fish	48 h	Leuciscus idus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dibutyltin dilaurate 77-58-7	EC50	660 µg/l	Daphnia	24 h	Daphnia magna	
Dibutyltin dilaurate 77-58-7	IC50	> 3 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Dibutyltin dilaurate 77-58-7		aerobic	12 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Dibutyltin dilaurate 77-58-7	10,64	31 - 155		Cyprinus carpio		
Dibutyltin dilaurate 77-58-7						

13. Disposal considerations

Waste treatment methods:

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

14. Transport information

General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

15. Regulatory information

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

VOC content
(2004/42/EC)

< 5 % (As defined in the Council Directive 2004/42/EC)

16. Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R20/21 Harmful by inhalation and in contact with skin.
 - R22 Harmful if swallowed.
 - R34 Causes burns.
 - R36 Irritating to eyes.
 - R37 Irritating to respiratory system.
 - R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.
 - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R60 May impair fertility.
 - R61 May cause harm to the unborn child.
 - R68 Possible risk of irreversible effects.
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- H302 Harmful if swallowed.
 - H319 Causes serious eye irritation.
 - H341 Suspected of causing genetic defects.
 - H360FD May damage fertility. May damage the unborn child.
 - H372 Causes damage to organs through prolonged or repeated exposure.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.