

SAFETY DATA SHEET

Revision: 2.0 Date: 30 April 2018

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),
1272/2008 (CLP) & 2015/830

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name RTV 3145
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) PC1 Adhesives, sealants
Uses Advised Against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification VISHAY MEASUREMENTS GROUP UK LTD
Stroudley Road
Basingstoke
Hampshire
RG24 8FW
United Kingdom
Telephone +44 (0) 1256 462131
Fax +44 (0) 1256 471441
E-Mail (competent person) mm.uk@vishaypg.com
- 1.4 Emergency telephone number**
Emergency Phone No. (00-1) 703-527-3887 CHEMTREC (24 hours)
Languages spoken All official European languages.

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Not classified
- 2.2 Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
Product Name RTV 3145
Contains: Not applicable
Hazard Pictogram(s) None assigned.
Signal Word(s) None assigned.
Hazard Statement(s) None assigned.
Precautionary Statement(s) None assigned.
Supplemental information EUH066: Repeated exposure may cause skin dryness or cracking.
- 2.3 Other hazards** None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Trimethylated silica	< 25	68909-20-6	272-697-1	Not yet assigned in the supply chain	EUH066

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Trimethoxy(methyl)silane	5-10	1185-55-3	214-685-0	Not yet assigned in the supply chain	Flam. Liq. 2; H225
Methanol*	< 0.2	67-56-1	200-659-6	Not yet assigned in the supply chain	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370 Specific Concentration Limit STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %

For full text of H/P Statements see section 16. *Substance with a Community workplace exposure limit.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Contaminated clothing should be laundered before reuse.

Inhalation

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

Rinse mouth. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

As appropriate for surrounding fire.

Unsuitable extinguishing Media

Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture

Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Combustion may cause toxic fumes. Combustion products: Silica, Carbon oxides and traces of incompletely burned carbon compounds, Formaldehyde, Sulphur products, Nitrogen products.

5.3 Advice for fire-fighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Eliminate sources of ignition. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for

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6.4 Reference to other sections disposal. Wash the spillage area with water.
See Section: 8, 13

SECTION 7: HANDLING AND STORAGE

7.1 **Precautions for safe handling** Ensure operatives are trained to minimise exposures. Ensure adequate ventilation. Avoid breathing vapours. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

7.2 **Conditions for safe storage, including any incompatibilities**
 Storage temperature Max: 32°C
 Storage life Stable under normal conditions.
 Incompatible materials Keep away from: Oxidizing agents and Water. Contact with water or humid air will form methanol.

7.3 **Specific end use(s)** See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters**
 8.1.1 **Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Silica, amorphous	-	-	6	-	-	WEL
		-	2.4	-	-	Inhalable Dust Respirable Dust
Methanol	67-56-1	200	266	250	333	WEL, Sk
		200	260	-	-	IOELV

Source: WEL: Workplace Exposure Limit (UK HSE EH40), IOELV: Indicative Occupational Exposure Limit Value, Sk - Can be absorbed through skin.

8.1.2 **Biological limit value** Not established.

8.1.3 **PNECs and DNELs** Not established.

8.2 **Exposure controls**

8.2.1 **Appropriate engineering controls** Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

8.2.2 **Individual protection measures, such as personal protective equipment (PPE)** Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.

Eye/face protection



Use eye protection according to EN 166, designed to protect against liquid splashes.

Skin protection



Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.

Respiratory protection

Respiratory protection is not necessary if room is well ventilated. In case of

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Thermal hazards

inadequate ventilation wear respiratory protection.

Not applicable

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Translucent white paste
Odour	Slight
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.12 (H ₂ O = 1)
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	This product releases methanol.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Contact with water or humid air will form methanol.
10.4 Conditions to avoid	Protect from moisture.
10.5 Incompatible materials	Keep away from: Oxidizing agents and Water.
10.6 Hazardous decomposition product(s)	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica, Carbon oxides and traces of incompletely burned carbon compounds, Formaldehyde, Sulphur products, Nitrogen products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	All test data taken from existing ECHA registrations for the substances mentioned.
Acute toxicity - Ingestion	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC ₅₀ > 2000 mg/kg bw/day. Acute Tox. 3; H301 Harmonised Classification No data
Acute toxicity - Inhalation	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC ₅₀ >20.0 mg/l. Acute Tox. 3; H331 Harmonised Classification. No data
Acute toxicity - Skin Contact	Based upon the available data, the classification criteria are not met.

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		Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
	Methanol:	Acute Tox. 3; H311 Harmonised Classification.
		No data
	Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
	Trimethylated silica:	EUH066: Repeated exposure may cause skin dryness or cracking.
		No data.
	Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
	Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
	Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Based upon the available data, the classification criteria are not met.
	Reproductive toxicity	Based upon the available data, the classification criteria are not met.
	STOT - single exposure	Based upon the available data, the classification criteria are not met.
	STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
	Methanol:	STOT SE. 1; H370 Harmonised Classification.
		STOT SE 2; H371: 3 % ≤ C < 10 % Harmonised Classification
	Aspiration hazard	May cause drowsiness and dizziness. Frederick, L.J. et al. (1984)
		Based upon the available data, the classification criteria are not met.
11.2	Other information	None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Based upon the available data, the classification criteria are not met.
		Estimated Mixture LC50 >100 mg/l (Fish)
12.2	Persistence and degradability	No data for the mixture as a whole.
	Trimethylated silica:	No data.
	Trimethoxy(methyl)silane:	Not biodegradable.
	Methanol:	Degradation of methanol was higher under aerobic than anaerobic conditions.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Trimethylated silica:	No data.
	Trimethoxy(methyl)silane:	The substance has low potential for bioaccumulation.
	Methanol:	The substance has low potential for bioaccumulation.
		Bioconcentration factor (BCF) : 1
12.4	Mobility in soil	No data for the mixture as a whole.
	Trimethylated silica:	No data.
	Trimethoxy(methyl)silane:	The substance has high mobility in soil. Soluble in water.
	Methanol:	The substance has high mobility in soil. Miscible with water.
12.5	Results of PBT and VPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material and its container as hazardous waste. Send after pre-treatment to a appropriate hazardous waste incinerator facility according to legislation.
13.2	Additional Information	Dispose of contents in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	Not classified	Not classified
14.2	UN proper shipping name	Not classified	Not classified
14.3	Transport hazard class(es)	Not classified	Not classified
14.4	Packing group	Not classified	Not classified
14.5	Environmental hazards	Not classified	Not classified as a Marine Pollutant.
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable	

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SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or Restrictions On Use

Not restricted

15.1.2 National regulations

None known

15.2 Chemical Safety Assessment

A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: New SDS Regulation 2015/830 format, all sections have been updated to include new information. Please review SDS with care.

References:

Existing Safety Data Sheet (SDS), Harmonised Classification and Existing ECHA registration(s) for Trimethoxy(methyl)silane (CAS No. 1185-55-3), Methanol (CAS No. 67-56-1)

Literature Sources:

1. Frederick, L.J. et al., 1984, Investigation and control of occupational hazards associated with the use of spirit duplicators., Am Ind Hyg Assoc 45: 51-55

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
EUH066: Repeated exposure may cause skin dryness or cracking.	Threshold Calculation

LEGEND

LTEL: Long Term Exposure Limit

DNEL: Derived No Effect Level

PBT: PBT: Persistent, Bioaccumulative and Toxic

STEL: Short Term Exposure Limit

PNEC: Predicted No Effect Concentration

vPvB: very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Flam. Liq. 2; Flammable Liquid, Category 2

Acute Tox. 3; Acute toxicity, Category 3

Acute Tox. 3; Acute toxicity, Category 3

Acute Tox. 4; Acute toxicity, Category 4

STOT RE 1; Specific target organ toxicity — repeated exposure, Category 1

Hazard Statement(s)

H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H332: Harmful if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure.

EUH066: Repeated exposure may cause skin dryness or cracking.

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