

**RTV Silicone Sealant- Black**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) &amp; 2020/878

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name RTV Silicone Sealant- Black  
Product code 0236  
Unique Formula Identifier (UFI) 38N0-A0KJ-M00C-HC51

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s) Sealant/adhesive.  
Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

Company Identification Granville Oil & Chemicals Ltd  
Address of Manufacturer 29 Goldthorpe Ind. Est.,  
Goldthorpe,  
Rotherham,  
South Yorkshire,  
Postal code S63 9BL  
Telephone: +44 (0)1709 890099  
Fax Not known.  
E-mail lab@granvilleoil.com  
Office hours 08:00 - 17:00

**Supplier**

Company Identification Veedol Deutschland GmbH  
Address of Supplier Hans-Böckler-Straße 10  
Langenfeld,  
Germany

Postal code 40764  
Telephone: +49 (0) 2173 893 30 30  
Fax Not known.  
E-mail lab@granvilleoil.com  
Office hours

**1.4 Emergency telephone number**

Emergency Phone No. +44 (0)1709 890099  
Contact Granville Lab  
National response centre  
Address NHS Direct  
Emergency Phone No. +44 111

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

**RTV Silicone Sealant- Black**

Regulation (EC) No. 1272/2008 (CLP) Skin Sens. 1A :May cause an allergic skin reaction.  
Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)  
Product Name RTV Silicone Sealant- Black  
Contains 4,5-dichloro-2-octyl- 2H-isothiazol-3-one; [DCOIT]

Hazard Pictogram(s)



GHS07

Signal Word(s) Warning

Hazard Statement(s)  
H317: May cause an allergic skin reaction.  
H412: Harmful to aquatic life with long lasting effects.  
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P501: Dispose of contents in accordance with local, state or national legislation.

Unique Formula Identifier (UFI) 38N0-A0KJ-M00C-HC51

**2.3 Other hazards**

None known.

**2.4 Additional Information**

For full text of H/P Statements see section 16.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH	%W/W	Hazard Statement(s)	Hazard Pictogram(s)



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		Registration No.			
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	927-632-8 01- 2119457736- 27- XXXX	20-25	Asp. Tox. 1 H304	GHS08
Distillates (petroleum), hydrotreated light paraffinicBaseoil - unspecified[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	64742-55-8	265-158-7 01- 2119487077- 29- XXXX	10-20	Asp. Tox. 1 H304	GHS08
Distillates (petroleum), hydrotreated middleGasoil - unspecified[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	64742-46-7	265-148-2	2.5-5	Asp. Tox. 1 H304	GHS08
Triacetoxethylsilane	17689-77-9	241-677-4 01- 2119881778- 15- XXXX	1-2.5	Acute Tox. 4 H302 Skin Corr. 1B H314 Eye Dam. 1 H318	GHS05 GHS07
Methylsilanetriyl triacetate	4253-34-3	224-221-9 01- 2119987097- 22- XXXX	1-2.5	Skin Corr. 1B H314 Eye Dam. 1 H318	GHS05
Methanol	67-56-1	200-659-6 01- 2119433307- 44- XXXX	<1	Flam. Liq. 2 H225 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT SE 1 H370	GHS02 GHS06 GHS08
4,5-dichloro-2-octyl- 2H-isothiazol-3-one; [DCOIT]	64359-81-5	264-843-8	0.0025- 0.025	Acute Tox. 4 H302 Skin Corr. 1 H314 Skin Sens. 1A H317 Eye Dam. 1 H318 Acute Tox. 2 H330	GHS06 GHS05 GHS07 GHS09



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May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable Extinguishing media In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

Unsuitable extinguishing media None.

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

No hazardous combustion products are known

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Deny access to unprotected persons.

**6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Advice on safe handling Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating, and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion Normal measures for preventive fire protection

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**RTV Silicone Sealant- Black****7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers      Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Further information on storage stability      No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Consult most current local Product Data Sheet prior to any use.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

## 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Methanol	67-56-1	200	266	250	333	Sk

Region                      Source  
United Kingdom      UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark                      Notes  
Sk                              Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls      Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

## 8.2.2. Personal protection equipment



Eye Protection

Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water



Skin protection

Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.  
Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.  
Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.



Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 -

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Methods for determining inhalation exposure). This applies to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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

Physical state	Liquid.
Colour	Black.
Odour	Irritating.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	61°C
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	> 30 mm <sup>2</sup> /s (40 °C)
Solubility	Solubility (Water): non-soluble. Solubility (Other): Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	1 hPa
Density and/or relative density	ca. 0,94 g/cm <sup>3</sup> (20 °C)
Relative vapour density	Not known.
Particle characteristics	Not known.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

None anticipated.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**RTV Silicone Sealant- Black****10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

Acetic acid

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 8400.25
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 30303.03
Acute toxicity - Inhalation	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 298.51
Skin corrosion/irritation	Self classification: Not classified.
Serious eye damage/irritation	Self classification: Not classified.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

**11.2 Information on other hazards**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

**12.2 Persistence and degradability**

Not known.

**12.3 Bioaccumulative potential**

Not known.

**RTV Silicone Sealant- Black****12.4 Mobility in soil**

Not known.

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

Not classified as hazardous for transport.

**14.1 UN number or ID number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**14.7 Maritime transport in bulk according to IMO instruments**

Not known

**SECTION 15: REGULATORY INFORMATION**

**RTV Silicone Sealant- Black****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Carcinogens: category 1B (64742-55-8), Carcinogens: category 1B (64742-46-7), Methanol (67-56-1), Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8), Triacetoxymethylsilane (17689-77-9), Methylsilanetriyl triacetate (4253-34-3), 4,5-dichloro-2-octyl- 2H-isothiazol-3-one; [DCOIT] (64359-81-5)

Community Rolling Action Plan (CoRAP) Methanol (67-56-1)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

European Parliament and of the Council concerning the export and import of hazardous chemicals

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

Hazard Pictogram(s)



GHS07

GHS02: GHS: Flame

GHS05: GHS: Corrosion

GHS06: GHS: Skull and crossbones

GHS08: GHS: Health hazard

GHS09: GHS: Environment

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## Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2  
Acute Tox. 3 : Acute toxicity, Category 3  
Acute Tox. 4 : Acute toxicity, Category 4  
Asp. Tox. 1 : Aspiration hazard, Category 1  
Acute Tox. 3 : Acute toxicity, Category 3  
Skin Corr. 1 : Skin corrosion/irritation, Category 1  
Skin Corr. 1B : Skin corrosion/irritation, Category 1B  
Skin Sens. 1A : Skin sensitization, Category 1A  
Eye Dam. 1 : Serious eye damage/irritation, Category 1  
Acute Tox. 2 : Acute toxicity, Category 2  
Acute Tox. 3 : Acute toxicity, Category 3  
STOT SE 1 : Specific target organ toxicity — single exposure, Category 1  
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1  
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

## Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
H301: Toxic if swallowed.  
H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H330: Fatal if inhaled.  
H331: Toxic if inhaled.  
H370: Causes damage to organs.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.  
EUH014: Reacts violently with water.  
EUH066: Repeated exposure may cause skin dryness or cracking.

## Precautionary Statement(s)

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to the environment.

**RTV Silicone Sealant- Black**

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P321: Specific treatment (see Medical Advice on this label).

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P501: Dispose of contents in accordance with local, state or national legislation.

## Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP)  
data used to compile the SDS

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