



## Safety Data Sheet according to Regulation (EC) No1907/2006

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LOCTITE SI 5910 BK known as Loctite 5910 Black 12x40ml EN/D

SDS No. : 152856  
V003.2

Revision: 11.04.2014  
printing date: 15.10.2014

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

#### 1.1. Product identifier

LOCTITE SI 5910 BK known as Loctite 5910 Black 12x40ml EN/D

#### Contains:

Silicon compounds  
Butanone oxime  
Butan-2-one O,O',O'',O'''-silanetetrayltetraoxime

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

Intended use:  
Sealant

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

Henkel Canada Corporation  
<http://www.henkelna.com>  
2515 Meadowpine Boulevard  
L5N 6C3 Mississauga, Ontario

Canada

Phone: (905) 814-6511  
Fax-no.: (905) 814-5391

[ua-productsafety.uk@uk.henkel.com](mailto:ua-productsafety.uk@uk.henkel.com)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

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

##### Classification (CLP):

Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Carcinogenicity	Category 2
H351 Suspected of causing cancer.	

**Classification (DPD):**

Sensitizing  
R43 May cause sensitisation by skin contact.  
carcinogenic, category 3  
R40 Limited evidence of a carcinogenic effect.

**2.2. Label elements**

**Label elements (CLP):**

**Hazard pictogram:**



**Signal word:**

Warning

**Hazard statement:**

H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.

**Precautionary statement:**

P280 Wear protective gloves.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Label elements (DPD):**

Xn - Harmful



**Risk phrases:**

R40 Limited evidence of a carcinogenic effect.  
R43 May cause sensitisation by skin contact.

**Safety phrases:**

S23 Do not breathe vapour.  
S24 Avoid contact with skin.  
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.  
S36/37 Wear suitable protective clothing and gloves.

**Contains:**

Butanone oxime,  
Silicon compounds

**2.3. Other hazards**

Methyl ethyl ketoxime is formed during cure.

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

Silicone sealant

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Silicon compounds		1- 5 %	Skin irritation 2 H315 Serious eye irritation 2 H319 Skin sensitizer 1 H317
Butanone oxime 96-29-7	202-496-6	1- < 3 %	Serious eye damage 1 H318 Skin sensitizer 1 H317 Carcinogenicity 2 H351 Acute toxicity 4; Dermal H312
Butan-2-one O,O',O'',O'''- silanetetrayltetraoxime 34206-40-1	251-882-0	>= 0,1- < 1 %	Skin irritation 2; Dermal H315 Skin sensitizer 1; Dermal H317 Serious eye irritation 2 H319

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
Silicon compounds		1 - 5 %	Xi - Irritant; R36/38, R43
Butanone oxime 96-29-7	202-496-6	1 - < 3 %	carcinogenic, category 3; R40 Xn - Harmful; R21 Xi - Irritant; R41 R43

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.

Methyl ethyl ketoxime is formed during cure.

**SECTION 4: First aid measures****4.1. 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:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediate medical treatment necessary.

Ingestion:

Do not induce vomiting.  
Seek medical advice.

**4.2. Most important symptoms and effects, both acute and delayed**

SKIN: Rash, Urticaria.

EYE: Irritation, conjunctivitis.

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

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media:**

Carbon dioxide, foam, powder

**Extinguishing media which must not be used for safety reasons:**

None known

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

Do not expose to direct heat.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

**Additional information:**

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

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Do not let product enter drains.

**6.3. 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.

**6.4. Reference to other sections**

See advice in section 8

## SECTION 7: Handling and storage

**7.1. 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.

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated place.

Never allow product to get in contact with water during storage

**7.3. Specific end use(s)**  
Sealant**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**Valid for  
Great Britain

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
CALCIUM CARBONATE, INHALABLE DUST 471-34-1		10	Time Weighted Average (TWA):		EH40 WEL
CALCIUM CARBONATE, RESPIRABLE DUST 471-34-1		4	Time Weighted Average (TWA):		EH40 WEL
LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE 471-34-1		4	Time Weighted Average (TWA):		EH40 WEL
LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE 471-34-1		10	Time Weighted Average (TWA):		EH40 WEL
CARBON BLACK 1333-86-4		7	Short Term Exposure Limit (STEL):		EH40 WEL
CARBON BLACK 1333-86-4		3,5	Time Weighted Average (TWA):		EH40 WEL

**Biological Exposure Indices:**  
None**8.2. Exposure controls:**

## Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A

## Hand protection:

Chemical-resistant protective gloves (EN 374).

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

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

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

nitrile rubber (NBR;  $\geq 0.4$  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:

Suitable protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	paste black
Odor	Mild
Odour threshold	No data available / Not applicable
pH	not applicable
Initial boiling point	> 200 °C (> 392 °F)
Flash point	> 93,30 °C (> 199,94 °F)Not available.
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	< 5 mm hg
Density ( $\rho$ )	1,31 g/cm <sup>3</sup>
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.
Solubility (qualitative) (Solvent: Acetone)	Partially soluble
Solubility (qualitative)	Polymerises in presence of water.
Solidification temperature	No data available / Not applicable
Melting point	Not available.
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	No data available / Not applicable
Oxidising properties	No data available / Not applicable

**9.2. Other information**

No data available / Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Polymerises in presence of water.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

Stable  
Exposure to air or moisture over prolonged periods.

**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

Methyl ethyl ketoxime formed during cure.  
Methanol is liberated slowly upon exposure to moisture.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Oral toxicity:**

May cause irritation to the digestive tract.  
Ingestion of large quantities may cause liver or kidney damage.

**Inhalative toxicity:**

Methylethyl ketoxime released during polymerisation of oxime curing RTV silicones is irritating to the respiratory system

**Skin irritation:**

Methylethyl ketoxime released during polymerisation of oxime curing silicones. It is harmful in contact with skin and is a skin sensitizer.

**Eye irritation:**

Causes serious eye irritation.

**Sensitizing:**

May cause an allergic skin reaction.

**Carcinogenicity:**

Suspected of causing cancer

**Acute oral toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Butanone oxime 96-29-7	LD50	2.326 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

**Acute inhalative toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
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**Acute dermal toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Butanone oxime 96-29-7	Acute toxicity estimate (ATE)	1.100 mg/kg	dermal			Expert judgement
Butanone oxime 96-29-7	LD50	> 1.000 mg/kg			rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone oxime 96-29-7	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Butanone oxime 96-29-7	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

## SECTION 12: Ecological information

### General ecological information:

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards. Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered. The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

### 12.1. Toxicity

#### Ecotoxicity:

Do not empty into drains / surface water / ground water.  
It is expected to be non hazardous to aquatic species.

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Butanone oxime 96-29-7	LC50	320 - 1.000 mg/l	Fish	96 h	Leuciscus idus	DIN 38412-15
Butanone oxime 96-29-7	EC50	> 500 mg/l	Daphnia	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Butanone oxime 96-29-7	EC50	83 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential / 12.4. Mobility in soil

#### Mobility:

Cured adhesives are immobile.

#### Bioaccumulative potential:

No data available.

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Butanone oxime 96-29-7		0,5 - 0,6	42 d	Oryzias latipes	25 °C	OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish)
Butanone oxime 96-29-7	0,65				25 °C	OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods



**Product disposal:**

Dispose of in accordance with local and national regulations.  
Contribution of this product to waste is very insignificant in comparison to article in which it is used

**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

**SECTION 14: Transport information**

**14.1. UN number**

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

**14.2. UN proper shipping name**

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

**14.3. Transport hazard class(es)**

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

**14.4. Packaging group**

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

**14.5. Environmental hazards**

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

**14.6. Special precautions for user**

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

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

VOC content < 5,00 %  
(1999/13/EC)

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

## SECTION 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:

- R21 Harmful in contact with skin.
- R36/38 Irritating to eyes and skin.
- R40 Limited evidence of a carcinogenic effect.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H351 Suspected of causing cancer.

### **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.