



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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Loctite 8040 Frz&Rel 400mlx12

sds no. : 190437

V004.0

Revision: 20.05.2010

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### 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:**

Loctite 8040 Frz&Rel 400mlx12

**Intended use:**

Lubricant

**Company name:**

Henkel Ireland Limited  
Product Safety & Regulatory Affairs  
Tallaght Business Park, Whitestown  
Dublin 24

Ireland

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**E-mail address of person responsible for Safety Data Sheet:**

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

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

### 2. Hazards identification

R12 Extremely flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

The aerosol container is under pressure. Do not expose to high temperatures.

### 3. Composition / information on ingredients

**General chemical description:**

Lubricant

**Declaration of ingredients according to (EC) No 1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Butane, n- 106-97-8	203-448-7	> 30 - < 50 %	F+ - Extremely flammable; R12
Isobutane 75-28-5	200-857-2	> 10 - < 20 %	F+ - Extremely flammable; R12
Propane 74-98-6	200-827-9	> 10 - < 20 %	F+ - Extremely flammable; R12
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	265-151-9	> 10 - < 20 %	F - Highly flammable; R11 Xi - Irritant; R38 Xn - Harmful; R65 R67 N - Dangerous for the environment; R51/53
Kerosine (petroleum) 8008-20-6	232-366-4	> 1 - < 10 %	Xn - Harmful; R65

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

**Inhalation:**

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

**Skin contact:**

Rinse with running water and soap.  
Seek medical advice.

**Eye contact:**

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

**Ingestion:**

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.  
Seek medical advice.

#### 5. Fire fighting measures

**Suitable extinguishing media:**

Carbon dioxide, foam, powder

**Special protection equipment for firefighters:**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Hazardous combustion products:**

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

**Additional information:**

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

#### 6. Accidental release measures

**Personal precautions:**

Avoid skin and eye contact.  
Ensure adequate ventilation.

**Environmental precautions:**

Do not let product enter drains.

**Clean-up methods:**

For small spills wipe up with paper towel and place in container for disposal.  
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

## 7. Handling and storage

**Handling:**

Use only in well-ventilated areas.  
Vapours should be extracted to avoid inhalation.  
Keep away from sources of ignition - no smoking.

**Storage:**

Store in a cool, well-ventilated place.  
Keep away from heat and direct sunlight.

## 8. Exposure controls / personal protection

**Components with specific control parameters for workplace:**

Valid for  
Great Britain  
Basis  
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
BUTANE 106-97-8	750	1.810	Short Term Exposure Limit (STEL):		EH40 WEL
BUTANE 106-97-8	600	1.450	Time Weighted Average (TWA).		EH40 WEL
PROPANE 74-98-6				Included in the regulation but with no data values. See regulation for further details.	EH40 WEL

**Respiratory protection:**

Use only in well-ventilated areas.

**Hand protection:**

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 (IIR;  $\geq 0.4$  mm thickness)  
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):  
nitrile rubber (IIR;  $\geq 0.4$  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:**

Wear suitable protective clothing.

**General protection and hygiene measures:**

Good industrial hygiene practices should be observed.

## 9. Physical and chemical properties

**General characteristics:**

Appearance: aerosol  
yellow  
Odor: Characteristic

**Phys./chem. properties:**

Flash point	-60 °C (-76 °F)
Vapor pressure (25 °C (77 °F))	4000 mbar
Density ( $\rho$ )	0,6 g/cm <sup>3</sup>
Solubility (qualitative) (Solvent: Water)	Insoluble
Solubility (qualitative) (Solvent: Acetone)	Soluble
VOC content (1999/13/EC)	96 %

## 10. Stability and reactivity

**Conditions to avoid:**

Stable

**Materials to avoid:**

Reacts with strong oxidants.

**Hazardous decomposition products:**

Irritating organic vapours.

## 11. Toxicological information

**Oral toxicity:**

May cause irritation to the digestive tract.

**Inhalative toxicity:**

May cause irritation to respiratory system.

**Skin irritation:**Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.  
Prolonged or repeated contact may cause skin irritation.**Eye irritation:**

May cause mild irritation to the eyes.

## 12. Ecological information

**Mobility:**

The product evaporates readily.

**Ecotoxicity:**

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	Ide, silver or golden orfe (Leuciscus idus)	48 h	LC 50	> 1 - 10 mg/l

**General ecological information:**Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.  
Do not empty into drains / surface water / ground water.

## 13. Disposal considerations

**Product disposal:**

Dispose of in accordance with local and national regulations.

**Waste code(EWC):**

140603

**Disposal of uncleaned packages:**

Disposal must be made according to official regulations.

**14. Transport information****Road transport ADR:**

Class:	2
Packaging group:	
Classification code:	5F
Hazard ident. number:	
UN no.:	1950
Label:	2.1
Technical name:	AEROSOLS
Tunnelcode:	(D)

**Railroad transport RID:**

Class:	2
Packaging group:	
Classification code:	5F
Hazard ident. number:	23
UN no.:	1950
Label:	2.1
Technical name:	AEROSOLS
Tunnelcode:	

**Inland water transport ADN:**

Class:	2
Packaging group:	
Classification code:	5F
Hazard ident. number:	
UN no.:	1950
Label:	2.1
Technical name:	AEROSOLS

**Marine transport IMDG:**

Class:	2.1
Packaging group:	
UN no.:	1950
Label:	2.1
EmS:	F-D ,S-U
Seawater pollutant:	-
Proper shipping name:	AEROSOLS

**Air transport IATA:**

Class:	2.1
Packaging group:	
Packaging instructions (passenger)	203
Packaging instructions (cargo)	203
UN no.:	1950
Label:	2.1
Proper shipping name:	Aerosols, flammable

## 15. Regulations - classification and identification

### Indication of danger:

F+ - Extremely flammable



### Risk phrases:

R12 Extremely flammable.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67 Vapours may cause drowsiness and dizziness.

### Safety phrases:

S23 Do not breathe spray.  
S24 Avoid contact with skin.  
S51 Use only in well-ventilated areas.  
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

### Additional labeling:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children

## 16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R11 Highly flammable.  
R12 Extremely flammable.  
R38 Irritating to skin.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R67 Vapours may cause drowsiness and dizziness.

### 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.