



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

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CHEMICAL METAL JUNIOR 130ML

SDS no. : 204925

V001.2

Revision: 01.11.2007

printing date: 10.01.2008

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

**Trade name:**

CHEMICAL METAL JUNIOR 130ML

**Intended use:**

2K Filler paste

**Company name:**

Henkel Loctite Adhesives Ltd  
Technologies House  
Wood Lane End  
HP2 4RQ Hemel Hempstead  
  
Great Britain

Phone: +44 (1442) 278000

Fax-no.: +44 (1442) 278071

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)20 8312 0291

### 2. Hazards identification

R36/38 Irritating to eyes and skin.  
R20 Harmful by inhalation.  
R10 Flammable.

### 3. Composition / information on ingredients

**General chemical description:**

Sealant

**Declaration of ingredients according to EC/1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Styrene 100-42-5	202-851-5	> 10 - < 20 %	R10 Xn - Harmful; R20 Xi - Irritant; R36/38
Methanol 67-56-1	200-659-6	> 0,1 - < 1 %	F - Highly flammable; R11 T - Toxic; R23/24/25, R39/23/24/25

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:**

Immediately wash skin thoroughly with soap and water.  
Obtain medical attention if irritation persists.

**Eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical advice.

**Ingestion:**

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

## 5. Fire fighting measures

**Suitable extinguishing media:**

carbon dioxide, foam, powder

**Special protection equipment for firefighters:**

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Hazardous combustion products:**

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

**Additional information:**

Do not inhale vapors and fumes.

## 6. Accidental release measures

**Personal precautions:**

Remove sources of ignition.  
Ensure adequate ventilation.

**Environmental precautions:**

Do not let product enter drains.

**Clean-up methods:**

For large spills absorb onto inert absorbent material and place in sealed container for disposal.  
For small spills wipe up with paper towel and place in container for disposal.  
Wash spillage site thoroughly with soap and water or detergent solution.

## 7. Handling and storage

**Handling:**

Do not inhale vapors and fumes.  
Avoid skin and eye contact.  
Keep away from sources of ignition - no smoking.  
Use only in well-ventilated areas.  
Avoid open flames and sources of ignition.  
No smoking.

**Storage:**

Keep away from sources of ignition.  
Store in a cool, well-ventilated place.

**8. Exposure controls / personal protection****Components with specific control parameters for workplace:**

Valid for

Great Britain

Basis

UK EH40 WELs

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
STYRENE 100-42-5	100	430	Time Weighted Average (TWA).		EH40 WEL
	250	1.080	Short Term Exposure Limit (STEL):		EH40 WEL
				Listed.	EH40 WEL
METHANOL 67-56-1	200	260	Time Weighted Average (TWA).		EU-2000/39/EC
	200	266	Time Weighted Average (TWA).		EH40 WEL
	250	333	Short Term Exposure Limit (STEL):		EH40 WEL
			Skin designation.	Can be absorbed through the skin.	EH40 WEL
				Listed.	EH40 WEL
			Skin designation.	Can be absorbed through the skin.	EU-2000/39/EC

**Respiratory protection:**

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

**Hand protection:**

Nitrile rubber gloves should be worn.

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.

**Eye protection:**

Avoid eye contact.

Wear protective glasses.

**General protection and hygiene measures:**

Good industrial hygiene practices should be observed

**9. Physical and chemical properties****General characteristics:**

Appearance

paste

grey

Odor:

characteristic

**Phys./chem. properties:**

Boiling point

&gt; 100,0 °C (&gt; 212 °F)

Flash point

32 °C (89.6 °F)

Density

1,6700 g/cm<sup>3</sup>

(23 °C (73.4 °F))

**10. Stability and reactivity****Conditions to avoid:**

Heat, fumes, sparks and other sources of ignition.

## 11. Toxicological information

**Oral toxicity:**

May cause irritation to the digestive tract.

**Inhalative toxicity:**

Harmful by inhalation.  
May cause headache and dizziness.

**Skin irritation:**

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals  
Irritating to the skin

**Eye irritation:**

Primary eye irritation: irritating

## 12. Ecological information

**General ecological information:**

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

## 13. Disposal considerations

**Product disposal:**

Incineration under controlled conditions is recommended.

**Waste code(EWC ):**

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

**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.

## 14. Transport information

**Road transport ADR:**

Class:	3
Packaging group:	III
Classification code:	F1
Hazard ident. number:	39
UN no.:	2055
Label:	3
Technical name:	STYRENE MONOMER, STABILIZED (solution)

**Railroad transport RID:**

Class:	3
Packaging group:	III
Classification code:	F1
Hazard ident. number:	39
UN no.:	2055
Label:	3
Technical name:	STYRENE MONOMER, STABILIZED (solution)

**Inland water transport ADN:**

Class: 3  
Packaging group: III  
Classification code: F1  
Hazard ident. number:  
UN no.: 2055  
Label: 3  
Technical name: STYRENE MONOMER, STABILIZED (solution)

**Marine transport IMDG:**

Class: 3  
Packaging group: III  
UN no.: 2055  
Label: 3  
EmS: F-E ,S-D  
Seawater pollutant: -  
Proper shipping name: STYRENE MONOMER, STABILIZED (solution)

**Air transport IATA:**

Class: 3  
Packaging group: III  
Packaging instructions (passenger): 309  
Packaging instructions (cargo): 310  
UN no.: 2055  
Label: 3  
Proper shipping name: Styrene monomer, stabilized (solution)

**Further information for transport:**

When transporting as a set (component A and B) then the following dangerous good classification is used: UN 3269 Polyester resin kit, 3, III.

**15. Regulations - classification and identification****Indication of danger:**

Xn - Harmful

**Contains**

Styrene

**Risk phrases:**

R10 Flammable.  
R20 Harmful by inhalation.  
R36/38 Irritating to eyes and skin.

**Safety phrases:**

S2 Keep out of the reach of children.  
S16 Keep away from sources of ignition - No smoking.  
S23 Do not breathe vapour.  
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.

**VOC Paints and Varnishes (EU):**

Product (sub)category:	Bodyfiller/stopper
Phase I (from 1.1.2007):	250,00 g/l
max. VOC content:	130 g/l

## 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:

R10 Flammable.

R11 Highly flammable.

R20 Harmful by inhalation.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**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.



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

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CHEMICAL METAL JUNIOR 130ML

SDS no. : 205010

V001.3

Revision: 23.11.2007

printing date: 10.01.2008

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

**Trade name:**

CHEMICAL METAL JUNIOR 130ML

**Intended use:**

hardener component

**Company name:**

Henkel Loctite Adhesives Ltd  
Technologies House  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

Fax-no.: +44 (1442) 278071

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)20 8312 0291

### 2. Hazards identification

Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

R7 May cause fire.

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. Composition / information on ingredients

**General chemical description:**

Hardener

**Declaration of ingredients according to EC/1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Dibenzoyl peroxide 94-36-0	202-327-6	>= 40 - <= 60 %	E - Explosive; R2 Xi - Irritant; R36 Xi - Irritant; R43
Oxydipropyl dibenzoate 27138-31-4	248-258-5	>= 20 - <= 30 %	N - Dangerous for the environment; R51/53

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

**Inhalation:**

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

**Skin contact:**

Immediately wash skin thoroughly with soap and water.  
Obtain medical attention if irritation persists.

**Eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical advice.

**Ingestion:**

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

#### 5. Fire fighting measures

**Suitable extinguishing media:**

carbon dioxide, foam, powder

**Special protection equipment for firefighters:**

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Hazardous combustion products:**

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

**Additional information:**

Do not inhale vapors and fumes.

#### 6. Accidental release measures

**Personal precautions:**

Remove sources of ignition.  
Ensure adequate ventilation.

**Environmental precautions:**

Do not let product enter drains.

**Clean-up methods:**

For large spills absorb onto inert absorbent material and place in sealed container for disposal.  
For small spills wipe up with paper towel and place in container for disposal.  
Wash spillage site thoroughly with soap and water or detergent solution.

#### 7. Handling and storage

**Handling:**

Do not inhale vapors and fumes.  
Avoid skin and eye contact.  
Keep away from sources of ignition - no smoking.  
Use only in well-ventilated areas.  
Avoid open flames and sources of ignition.  
No smoking.

**Storage:**

Keep away from sources of ignition.  
Store in a cool, well-ventilated place.



## 8. Exposure controls / personal protection

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

Valid for

Great Britain

Basis

UK EH40 WELs

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
DIBENZOYL PEROXIDE 94-36-0		5	Time Weighted Average (TWA).		EH40 WEL

**Respiratory protection:**

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

**Hand protection:**

Nitrile rubber gloves should be worn.

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.

**Eye protection:**

Avoid eye contact.

Wear protective glasses.

**General protection and hygiene measures:**

Good industrial hygiene practices should be observed

## 9. Physical and chemical properties

**General characteristics:**

Appearance

paste

yellow

Odor:

mild

**Phys./chem. properties:**

Flash point

&gt; 50,0 °C (&gt; 122 °F)

Density

1,2000 g/cm<sup>3</sup>

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## 10. Stability and reactivity

**Conditions to avoid:**

Heat, fumes, sparks and other sources of ignition.

## 11. Toxicological information

**Oral toxicity:**

May cause irritation to the digestive tract.

**Inhalative toxicity:**

May cause irritation to respiratory system.

**Skin irritation:**

Prolonged or repeated contact may cause skin irritation.

May cause sensitization by skin contact.

**Eye irritation:**  
Irritating to eyes.

## 12. Ecological information

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

## 13. Disposal considerations

**Product disposal:**  
Incineration under controlled conditions is recommended.

**Waste code(EWC ):**  
08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

**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.

## 14. Transport information

### Road transport ADR:

Class:	5.2
Packaging group:	
Classification code:	P1
Hazard ident. number:	
UN no.:	3108
Label:	5.2
Technical name:	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

### Railroad transport RID:

Class:	5.2
Packaging group:	
Classification code:	P1
Hazard ident. number:	539
UN no.:	3108
Label:	5.2
Technical name:	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

### Inland water transport ADN:

Class:	5.2
Packaging group:	
Classification code:	P1
Hazard ident. number:	
UN no.:	3108
Label:	5.2
Technical name:	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

### Marine transport IMDG:

Class:	5.2
Packaging group:	
UN no.:	3108
Label:	5.2
EmS:	F-J ,S-R
Seawater pollutant:	-

Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

**Air transport IATA:**

Class: 5.2  
Packaging group:  
Packaging instructions (passenger) 510  
Packaging instructions (cargo) 513  
UN no.: 3108  
Label: 5.2  
Proper shipping name: Organic peroxide type E, solid (Dibenzoyl peroxide)

**Further information for transport:**

When transporting as a set (component A and B) then the following dangerous good classification is used: UN 3269 Polyester resin kit, 3, III.

**15. Regulations - classification and identification**

**Indication of danger:**

O - Oxidizing

N - Dangerous for the environment

Xi - Irritant



**Contains**

Dibenzoyl peroxide

**Risk phrases:**

R7 May cause fire.  
R36 Irritating to eyes.  
R43 May cause sensitization by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

S2 Keep out of the reach of children.  
S3/7 Keep container tightly closed in a cool place.  
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.  
S37 Wear suitable gloves.  
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

## 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:

- R2 Risk of explosion by shock, friction, fire or other sources of ignition.
- R36 Irritating to eyes.
- R43 May cause sensitization by skin contact.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **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.