



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

Page 1 of 6

Loctite 9480 50ml _Kit comp. A

sds no. : 282493

V003.0

Revision: 20.05.2010

printing date: 08.07.2011

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

Trade name:

Loctite 9480 50ml _Kit comp. A

Intended use:

Epoxy adhesive

Company name:

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

Ireland

Phone: +353 (14046444)

Fax-no.: +353 (14519926)

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

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation 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:

Epoxy resin

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

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Bisphenol-A epichlorhydrin resin MW ≤ 700 25068-38-6	500-033-5	60 - 80 %	R43 Xi - Irritant; R36/38 N - Dangerous for the environment; R51, R53
1,4-Bis(2,3-epoxypropoxy)butane 2425-79-8	219-371-7	1 - 10 %	Xn - Harmful; R20/21 R43 Xi - Irritant; R36/38

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.

6. Accidental release measures

Personal precautions:

Avoid skin and eye contact.

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.
Wash spillage site thoroughly with soap and water or detergent solution.

7. Handling and storage

Handling:

Use only in well-ventilated areas.
Avoid skin and eye contact.
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Storage:

Store in a cool, well-ventilated place.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Respiratory protection:

Ensure adequate ventilation.
Do not inhale vapors and fumes.
Use only in well-ventilated areas.

Hand protection:

Avoid skin-contact.

The use of chemical resistant gloves such as Nitrile are recommended.

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.

Tightly fitting safety goggles

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	Liquid
	White
Odor:	Mild

Phys./chem. properties:

Flash point	> 147 °C (> 296.6 °F)
Density	1,38 g/cm ³
(ρ)	
Solubility (qualitative)	Insoluble
(Solvent: Water)	
VOC content	< 3,00 % Combined A/B
(2004/42/EC)	

10. Stability and reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.

11. Toxicological information

Oral toxicity:

May cause irritation to the digestive tract.

Inhalative toxicity:

May cause irritation to respiratory system.

Skin irritation:

Irritating to the skin.

Eye irritation:

Irritating to eyes.

Sensitizing:

May cause sensitization by skin contact.

12. Ecological information**Mobility:**

Cured adhesives are immobile.

Ecotoxicity:

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Bisphenol-A epichlorhydrin resin MW <= 700 25068-38-6	Trout family (Salmonidae)	96 h	LC 50	3,6 mg/l

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:**

Dispose of in accordance with local and national regulations.

Waste code():

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.

Disposal must be made according to official regulations.

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

Class: 9
Packaging group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9
Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Bisphenol-A Epichlorhydrine resin)
Tunnelcode: (E)

Railroad transport RID:

Class: 9
Packaging group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9
Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Bisphenol-A Epichlorhydrine resin)
Tunnelcode:

Inland water transport ADN:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorhydrine resin)

Marine transport IMDG:

Class:	9
Packaging group:	III
UN no.:	3082
Label:	9
EmS:	F-A ,S-F
Seawater pollutant:	Marine pollutant
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorhydrine resin)

Air transport IATA:

Class:	9
Packaging group:	III
Packaging instructions (passenger)	914
Packaging instructions (cargo)	914
UN no.:	3082
Label:	9
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrine resin)

15. Regulations - classification and identification

Indication of danger:

Xi - Irritant

N - Dangerous for the
environment



Contains

Bisphenol-A epichlorhydrin resin MW <= 700,
1,4-Bis(2,3-epoxypropoxy)butane

Risk phrases:

R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

- 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.

Additional labeling:

Contains epoxy constituents. See information supplied by the manufacturer.

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:

- R20/21 Harmful by inhalation and in contact with skin.
- R36/38 Irritating to eyes and skin.
- R43 May cause sensitisation by skin contact.
- R51 Toxic to aquatic organisms.
- R53 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.



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

Page 1 of 6

Loctite 9480 50ml _Kit comp. B

sds no. : 282495

V002.0

Revision: 20.05.2010

printing date: 08.07.2011

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

Trade name:

Loctite 9480 50ml _Kit comp. B

Intended use:

Epoxy Hardener

Company name:

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

Ireland

Phone: +353 (14046444)

Fax-no.: +353 (14519926)

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

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

3. Composition / information on ingredients

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

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Epoxy reaction products with fatty acids, dimers and diethylenetriamine 161025-27-0		37,01 %	Xi - Irritant; R43
Kaolin 1332-58-7	310-194-1	19,6 %	No classification required.
Mica 12001-26-2		17,48 %	No classification required.
Diethylenetriamine 111-40-0	203-865-4	6,72 %	R43 Xn - Harmful; R21/22 C - Corrosive; R34
Remainder - non hazardous~		5,13 %	No classification required.
Unknown, non hazardous~		4,95 %	No classification required.
4-Tert-butylphenol 98-54-4	202-679-0	2,8 %	Xi - Irritant; R36/37/38, R43
4,4'-Isopropylidenediphenol 80-05-7	201-245-8	2,76 %	Xi - Irritant; R37, R41 R52 R43 Toxic for reproduction - category 3.; R62
Titanium dioxide 13463-67-7	236-675-5	2,35 %	No classification required.
Benzyl alcohol 100-51-6	202-859-9	1 %	Xn - Harmful; R20/22
Aluminium oxide 1344-28-1	215-691-6	0,07 %	No classification required.
Silicon dioxide 7631-86-9	231-545-4	0,07 %	No classification required.
Quartz (SiO2) 14808-60-7	238-878-4	0,01 %	No classification required.

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.

6. Accidental release measures

Personal precautions:

Avoid skin and eye contact.

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.

Wash spillage site thoroughly with soap and water or detergent solution.

7. Handling and storage

Handling:

Use only in well-ventilated areas.

Avoid skin and eye contact.

Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Storage:

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/m3	Type	Category	Remarks
2,2'-IMINODI(ETHYLAMINE) 111-40-0			Skin designation:	Can be absorbed through the skin.	EH40 WEL
2,2'-IMINODI(ETHYLAMINE) 111-40-0	1	4,3	Time Weighted Average (TWA).		EH40 WEL
BISPHENOL A (INHALABLE DUST) 80-05-7		10	Time Weighted Average (TWA).	Indicative	ECTLV

Respiratory protection:

Ensure adequate ventilation.

Do not inhale vapors and fumes.

Use only in well-ventilated areas.

Hand protection:

Avoid skin-contact.

The use of chemical resistant gloves such as Nitrile are recommended.

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.

Tightly fitting safety goggles

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	Liquid White
Odor:	Ammoniacal

Phys./chem. properties:

Boiling point	180 °C (356 °F)
Flash point	130 °C (266 °F)
Density	1,32 g/cm ³
()	
VOC content (2004/42/EC)	< 3,00 % Combined A/B

10. Stability and reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.

Materials to avoid:

Reaction with strong acids.
Reacts with strong oxidants.

11. Toxicological information

Oral toxicity:

May cause irritation to the digestive tract.

Inhalative toxicity:

May cause irritation to respiratory system.

Skin irritation:

Irritating to the skin.

Eye irritation:

Irritating to eyes.

Sensitizing:

May cause sensitization by skin contact.

12. Ecological information

Mobility:

Cured adhesives are immobile.

General ecological information:

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():

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.

Disposal must be made according to official regulations.

14. Transport information

General information:

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

15. Regulations - classification and identification

Indication of danger:

Xi - Irritant



Contains

Epoxy reaction products with fatty acids, dimers and diethylenetriamine,
Diethylenetriamine,
4-Tert-butylphenol,
4,4'-Isopropylidenediphenol

Risk phrases:

R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.

Safety phrases:

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.

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:

- R20/22 Harmful by inhalation and if swallowed.
- R21/22 Harmful in contact with skin and if swallowed.
- R34 Causes burns.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R37 Irritating to respiratory system.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R52 Harmful to aquatic organisms.
- R62 Possible risk of impaired fertility.

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.