Safety Data Sheet according to (EC) No 1907/2006

sds no. : 204925
V002.2

Chemical Metal mini 55 ml

Revision: 26.05.2011
printing date: 19.10.2011

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

Product identifier:
Chemical Metal mini 55 ml

Relevant identified uses of the substance or mixture and uses advised against:
Intended use:
2K Filler paste

Details of the supplier of the safety data sheet:
Henkel Limited
2 Bishop Square Business Park
AL109EY Herfordshire Hatfield

Great Britain

Phone: +44 1606 593933
Fax-no.: +44 1606 863762

ua-productsafety.uk@uk.henkel.com

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

SECTION 2: Hazards identification

Classification of the substance or mixture:

Classification (DPD):
Flammable.
R10 Flammable.
Xn - Harmful
R20 Harmful by inhalation.
Xi - Irritant
R36/38 Irritating to eyes and skin.

Label elements (DPD):

Xn - Harmful

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.

Additional labeling:
For consumer use only: S2 Keep out of the reach of children
S46 If swallowed, seek medical advice immediately and show this container or label.

Contains:
Styrene

Other hazards:
None if used properly.

SECTION 3: Composition/information on ingredients

General chemical description:
Sealant

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Styrene 100-42-5	202-851-5	> 10- < 20 %	Acute toxicity 4; Inhalation H332 Flammable liquids 3 H226 Skin irritation 2 H315 Serious eye irritation 2 H319
Methanol 67-56-1	200-659-6	> 0,1- < 1 %	Acute toxicity 3; Oral H301 Flammable liquids 2 H225 Specific target organ toxicity - single exposure 1 H370 Acute toxicity 3; Inhalation H331 Acute toxicity 3; Dermal H311

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.
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
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 %	T - Toxic; R23/24/25, R39/23/24/25 F - Highly flammable; R11

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.

SECTION 4: First aid measures

Description of 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.

Most important symptoms and effects, both acute and delayed:
EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

Indication of any immediate medical attention and special treatment needed:
See section: Description of first aid measures

SECTION 5: Firefighting measures

Extinguishing media:
Suitable extinguishing media:
Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:
None known

Special hazards arising from the substance or mixture:
In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.
In case of fire, keep containers cool with water spray.
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Advice for firefighters:
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Additional information:
Do not inhale vapors and fumes.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Remove sources of ignition.
Ensure adequate ventilation.

Environmental precautions:
Do not let product enter drains.

Methods and material for containment and cleaning up:
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.

Reference to other sections:
See advice in chapter 8

SECTION 7: Handling and storage

Precautions for safe 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.

Hygiene measures:
Good industrial hygiene practices should be observed.
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

Conditions for safe storage, including any incompatibilities:
Keep away from sources of ignition.
Store in a cool, well-ventilated place.

Specific end use(s):
2K Filler paste

SECTION 8: Exposure controls/personal protection

Control parameters:

Valid for

Great Britain

Ingredient	ppm	mg/m³	Type	Category	Remarks
TALC, RESPIRABLE DUST 14807-96-6		1	Time Weighted Average (TWA):		EH40 WEL
CALCIUM CARBONATE, INHALABLE DUST 1317-65-3		10	Time Weighted Average (TWA):		EH40 WEL
MARBLE, RESPIRABLE LIMESTONE, RESPIRABLE 1317-65-3		4	Time Weighted Average (TWA):		EH40 WEL
MARBLE, TOTAL INHALABLE LIMESTONE, TOTAL INHALABLE 1317-65-3		10	Time Weighted Average (TWA):		EH40 WEL
CALCIUM CARBONATE, RESPIRABLE DUST 1317-65-3		4	Time Weighted Average (TWA):		EH40 WEL
STYRENE 100-42-5	250	1.080	Short Term Exposure Limit (STEL):		EH40 WEL
STYRENE 100-42-5	100	430	Time Weighted Average (TWA):		EH40 WEL
ROUGE, TOTAL INHALABLE 1309-37-1		10	Time Weighted Average (TWA):		EH40 WEL
ROUGE, RESPIRABLE 1309-37-1		4	Time Weighted Average (TWA):		EH40 WEL
IRON OXIDE, FUME (AS FE) 1309-37-1		10	Short Term Exposure Limit (STEL):		EH40 WEL
IRON OXIDE, FUME (AS FE) 1309-37-1		5	Time Weighted Average (TWA):		EH40 WEL
SILICA, AMORPHOUS, RESPIRABLE DUST 112945-52-5		2,4	Time Weighted Average (TWA):		EH40 WEL
SILICA, AMORPHOUS, INHALABLE DUST 112945-52-5		6	Time Weighted Average (TWA):		EH40 WEL
METHANOL 67-56-1			Skin designation:	Can be absorbed through the skin.	ECTLV
METHANOL 67-56-1	250	333	Short Term Exposure Limit (STEL):		EH40 WEL
METHANOL 67-56-1			Skin designation:	Can be absorbed through the skin.	EH40 WEL
METHANOL 67-56-1	200	266	Time Weighted Average (TWA):		EH40 WEL
METHANOL 67-56-1	200	260	Time Weighted Average (TWA):	Indicative	ECTLV

Exposure controls:

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:

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 (NBR; >= 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 (NBR; >= 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:
Avoid eye contact.
Wear protective glasses.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	paste grey
Odor	characteristic
pH	No data available / Not applicable
Initial boiling point	> 100,0 °C (> 212 °F)
Flash point	32 °C (89.6 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (23 °C (73.4 °F))	1,6700 g/cm3
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)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
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

Other information:

No data available / Not applicable

SECTION 10: Stability and reactivity

Chemical stability:
Stable under recommended storage conditions.

Possibility of hazardous reactions:
See section reactivity

Conditions to avoid:
Heat, flames, sparks and other sources of ignition.

Incompatible materials:
None if used properly.

Hazardous decomposition products:
carbon oxides.

SECTION 11: Toxicological information

General toxicological information:
The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/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.

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:

Irritating to eyes.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Styrene 100-42-5	LD50 LC50	6.600 - 8.000 mg/kg 11,8 mg/l	oral inhalation	4 h	rat rat	
Methanol 67-56-1	LD50 LC50	7.914 mg/kg 87,5 mg/l	oral inhalation	6 h	rat rat	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methanol 67-56-1	not irritating		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methanol 67-56-1	not irritating		rabbit	

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Styrene 100-42-5	not sensitising	Guinea pig maximisation test	guinea pig	
Methanol 67-56-1	not sensitising	Guinea pig maximisation test	guinea pig	

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Styrene 100-42-5	LOAEL=150 ppm	inhalation	3 week 4 hour/day, 5 day/week	rat	
Methanol 67-56-1	NOAEL=6,63 mg/l	inhalation	4 weeks 6 h/d, 5 d/w	rat	

SECTION 12: Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.
The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Ecotoxicity:

No data available for the product.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Styrene 100-42-5	LC50	25,1 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Styrene 100-42-5	EC50	23 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Styrene 100-42-5	EC50	329 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methanol 67-56-1	LC50	> 1.000 mg/l	Fish	48 h	Leuciscus idus	
Methanol 67-56-1	EC50	> 10.000 mg/l	Daphnia	48 h	Daphnia magna	
Methanol 67-56-1	EC50	28,44 g/l	Algae		Chlorella pyrenoidosa	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Styrene 100-42-5	readily biodegradable	aerobic	87 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Methanol 67-56-1	readily biodegradable	aerobic	82 - 92 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Styrene 100-42-5	2,96					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Methanol 67-56-1	-0,77					

SECTION 13: Disposal considerations

Waste treatment methods:

Product disposal:

Incineration under controlled conditions is recommended.

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.

Waste code

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

SECTION 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)
Tunnelcode:	(D/E)

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)
Tunnelcode:	

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)	355
Packaging instructions (cargo)	366
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.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

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

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:

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.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H370 Causes damage to organs.

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 it's subsequent amendments, and Commission Directive 1999/45/EC.