

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: MM-metal UW, powdery (Prod-# 1160, 116)

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

Product use: Repair material

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier: MultiMetall Reiner Schulze e.K.
Spenglerstraße 3
D-41749 Viersen
Phone: +49 (0) 2162/97009-0
Fax: +49 (0) 2162/97009-11
Email: info@polymermetal.com

Responsibility Safety data sheet: Email: msds@polymermetal.com

1.4. Emergency telephone number

Emergency contact number: Phone: +49 (0) 2162/97009-0

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product definition: Mixture

Classification according to Directive (EC) No. 1272/2008 (CLP):

Not classified

Classification according to Directive No. 67/548/EWG or 1999/45/EC:

Not classified

2.2. Label elements

Labelling according to Directive (EEC) No. 1272/2008 (CLP):

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statements: Not applicable

Supplemental label elements according to Directive (EEC) No. 1272/2008: Contains dibenzoyl peroxide constituents. May produce an allergic reaction.

Supplemental label elements according to Directive 67/548/EWG or 1999/45/EG: Contains dibenzoyl peroxide constituents. May produce an allergic reaction.

2.3. Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Not applicable

3.2. Mixtures

Component: Metal alloy A 60 - 90 %

Components / (Hazardous) components	Identifiers	%	Classification by 67/548/EEC	Classification by (EC) Nr. 1272/2008 (CLP)
Chrom (Cr)	CAS: 7440-47-3 REACH-R.No - EG-Nr.: 231-157-5 Index: -	55 - 75 %	-	-
Iron (Fe)	CAS: 7439-89-6 REACH-R.No - EG-Nr.: 231-096-4 Index: -	20 - 40 %	-	-
Carbon (C)	CAS: 7440-44-0 REACH-R.No - EG-Nr.: 231-153-3 Index: -	0 - 10,5 %	-	-
Silicon (Si)	CAS: 7440-21-3 REACH-R.No - EG-Nr.: 231-130-8 Index: -	0,1 - 6 %	-	-

Component: Metal alloy B 60 - 90 %

Components / (Hazardous) components	Identifiers	%	Classification by 67/548/EEC	Classification by (EC) Nr. 1272/2008 (CLP)
Iron (Fe)	CAS: 7439-89-6 REACH-R.No - EG-Nr.: 231-096-4 Index: -	51 - 86 %	-	-
Silicon (Si)	CAS: 7440-21-3 REACH-R.No - EG-Nr.: 231-130-8 Index: -	14 - 49 %	-	-

Other substances of content are not harmful respectively do not correspond to directives (EG) 1272/2008 and the criteria which are mentioned in principles 67/548/EEG in respect of classification as hazardous substance or formulation.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

No special measures necessary.

Inhalation: Plenty of fresh air and seek medical advice.

Skin contact: Wash off immediately with water and soap and rinse thoroughly. After continuous skin irritation, consult a doctor.

Eye contact: Flush eye with open eyelids under running water for several minutes. Seek medical advice.

Ingestion: Seek medical advice.

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

No data available.

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

No data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: dry sand.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

No special measures necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing during work. Avoid dust formation.

6.2. Environmental precautions

Do not allow to enter drainage system or waters.

6.3. Methods and material for containment and cleaning up

Absorb mechanically.

6.4. Reference to other sections

See section 8 for information given on personal protective equipment.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide adequate ventilation. Avoid dust formation. Avoid contact with eyes and skin. Do not eat, drink and smoke while working. Wash hands before breaks.

7.2. Conditions for safe storage, including any incompatibilities

Store in original containers in a cool and dry place.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace limit value (TRGS 900)

CAS-Nr.	Ingredient	Value / Unit	Peak limit
94-36-0	Dibenzoyl peroxide	5 mg/m ³ (E)	1 (I)

8.2. Exposure controls

Engineering measures: Provide adequate ventilation, especially in closed rooms.

Hygiene measures: Remove contaminated clothes immediately. Wash hands before breaks and after finishing work. Avoid contact with eyes and skin.

Respiratory protection: In case of inadequate ventilation, wear respiratory protection.

Hand protection:	Gloves out of Nitril rubber against mechanical risks (EN 388). Find out the exact break through time from the manufacturer of the protective gloves and comply with it.
Eye protection:	Sealed safety glasses (EN 166)
Body protection:	Protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	powdery
Colour:	metallic grey
Odour:	odourless
pH-value:	not applicable
Melting / Freezing point:	not applicable
Flash point:	not applicable
Flammability (solid, gas):	not flammable
Inflammation point:	not available
Decomposition temperature:	not applicable
Explosive properties:	not potentially explosive.
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Density (powder density):	2 – 2,5 g/cm ³
Water solubility:	not applicable
Partition coefficient: n-octanol/water:	not applicable

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific data available.

10.2. Chemical stability

No decomposition if stored and used as intended.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Skin irritation / corrosion: No specific test data available.

Serious eye damage / irritation: No specific test data available.

Respiratory / Skin sensitization: No specific test data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Carry out the disposal of products and its containers in a safe way. Follow regional local authority regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

Not classified; no DGR in respect of transport provisions

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

None known

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Water hazard class (Germany): nwg (VwVwS)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.