

# SAFETY DATA SHEET

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

### 1.1 Product identifier

Mikrosil, Base (brown, white, black, grey)

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

#### Relevant identified uses

Forensics – used for casting tool marks and lifting finger- and shoeprints. Professional use only.  
The product is used together with Mikrosil, Hardener.

#### Uses advised against

No known.

### 1.3 Details of the supplier of the safety data sheet

Kjell Carlsson Innovation

Rinkebyvägen 18

172 37 Sundbyberg

Sweden

+46 (0) 8 28 07 84

[kjell@carlssoninnovation.se](mailto:kjell@carlssoninnovation.se)

[www.carlssoninnovation.se](http://www.carlssoninnovation.se)

### 1.4 Emergency telephone number

+46 (0) 8 28 07 84 (Office hours)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

*Regulation 1272/2008*

**Brown, White, Black, Grey**

Not classified.

*Directive 1999/45/EC*

**Brown, White, Black, Grey**

Not classified.

### 2.2 Label elements

*Regulation 1272/2008*

**Brown, White, Black, Grey**

Hazard pictograms            none

Signal word                    none

Hazard statements

none

Precautionary statements

P264

Wash hands thoroughly after handling

**2.3 Other hazards**

No known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Hazardous components	Classification <sup>1</sup>		%
	1272/2008		
	67/548/EEC		
<b>Brown</b>			
No hazardous components			
<b>White</b>			
No hazardous components			
<b>Black</b>			
No hazardous components			
<b>Grey</b>			
CAS No: 7631-86-9 EC No: 231-545-4 Reach Reg. No: No info	Silicon dioxide (amorphous silica) <sup>2</sup>	Not classified (C&L Inventory) Xn; R20 (self classified)	<1.5

*Other components*Diiron trioxide<sup>2</sup>, Polydimethylsiloxane<sup>2</sup>, Iron(II,III)oxide<sup>2</sup>, Titanium dioxide<sup>2</sup>, Aluminum hydroxide<sup>2</sup>

1) See explanations in section 16

2) Listed on the TSCA Inventory

**SECTION 4: First aid measures****4.1 Description of first aid measures*****Inhalation***

Fresh air.

***Skin contact***

Wash the skin with soap and water.

**Eye contact**

Remove contact lenses.

Rinse the eyes with water for 15 minutes. Keep eyelids wide apart.

**Ingestion**

Rinse mouth with water.

**4.2 Most important symptoms and effects, both acute and delayed****Eye contact**

Eye exposure may cause irritation.

**4.3 Indication of any immediate medical attention and special treatment needed****Eye contact**

Go to hospital or contact an eye doctor if symptoms appear and persist.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Use suitable extinguishing media dependent on what is on fire in the vicinity - CO<sub>2</sub>, dry chemicals or foam.

**5.2 Special hazards arising from the substance or mixture**

The product is not flammable.

**5.3 Advice for firefighters**

Collect contaminated extinguishing water separately. Avoid letting extinction water into drains.

**SECTION 6: Accidental release measure****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes.

**6.2 Environmental precautions**

Prevent release to sewer and watercourses.

Sweep up and hand over to waste management.

**6.3 Methods and material for containment and cleaning up**

Collect and put in a container.

Clean remainder with a wet cloth.

**6.4 Reference to other sections**

See section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid skin contact with the non-polymerised material.

Do not eat or drink when using the product.

Wash hands after use.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry and well-ventilated place.

Keep separate from food.

Keep in original container.

Store in closed containers.

### 7.3 Specific end use(s)

Forensics – used for casting tool marks and lifting finger- and shoeprints. Professional use only.

To be used together with Mikrosil, Hardener.

See further instructions from the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

National limit values in Sweden (AFS 2011:18)

Compound	Threshold limit value mg/m <sup>3</sup>	Short time limit value mg/m <sup>3</sup>	Note
Diiron trioxide - dust	3.5	-	The limit value refers to dust and not applicable for this product
Titanium dioxide - dust	5	-	The limit value refers to dust and not applicable for this product

### 8.2 Exposure controls

Avoid contact with eyes.

Adequate ventilation.

Wash your hands after use.

Handle in accordance with good industrial hygiene.

#### *Personal protection*

Use protective goggles.

Access to eye wash.

#### *Environmental exposure controls*

See section 13.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	brown, white, black or grey paste
Flammability	Not flammable
Odour	None
Flash point	>250 °C/482 °F
Density	approx 1.25 g/cm <sup>3</sup> at 20 °C/68 °F

### 9.2 Other information

The product is not soluble in water.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not liable to react under normal conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No known.

### 10.4 Conditions to avoid

Avoid temperatures above 100 °C.

### 10.5 Incompatible materials

No known.

### 10.6 Hazardous decomposition products

No known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### **Compounds**

#### Diiron trioxide

LD<sub>50</sub> Oral rat: >10 000 mg/kg bw

#### Polydimethylsiloxane

LD<sub>50</sub> Oral rat: >100 000 mg/kg bw  
Toxicity after ingestion: Guinea pig LD >10000 mg/kg  
Toxicity after inhalation: Rabbit >978 mg/l for 7.5h  
Reported to be carcinogenic in mouse

Titanium dioxideLD<sub>50</sub> Oral rat: >100 000 mg/kg bw

Possible carcinogenic in humans, IARC group 2B.

Titanium may pass the blood-brain-barrier and also the placenta to the fetus.

**Mixture**

The product has not been tested.

Likely routes of exposure – skin.

**SECTION 12: Ecological information**

The product has not been tested.

**12.1 Toxicity**Diiron trioxideLC<sub>0</sub> Fish 48h > 1 000 mg/L Species: *Leuciscus idus***12.2 Persistence and degradability**

No information.

**12.3 Bioaccumulative potential**

No information.

**12.4 Mobility in soil**

No information.

**12.5 Results of PBT and vPvB assessment**

No information.

**12.6 Other adverse effects**

No known.

**SECTION 13: Disposal considerations**

Discarded product is not classified as hazardous waste according to EU Directive 2008/98/EC.

EWC codes

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

**13.1 Waste treatment methods**

Contact the local waste management before discarding the product.

See additional regulations in EU Directive 2008/98/EC.

**SECTION 14: Transport information**

The product is not classified Dangerous goods according to ADR.

**14.1 UN number**

Not relevant.

#### 14.2 UN proper shipping name

Not relevant.

#### 14.3 Transport hazard class(es)

Not relevant.

#### 14.4 Packing group

Not relevant.

#### 14.5 Environmental hazards

Not relevant.

#### 14.6 Special precautions for user

Not relevant.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

### SECTION 15: Regulatory information

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

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

ADR – European Agreement Concerning the International Carriage of Dangerous goods by Road.

AFS 2011:18 - Hygieniska gränsvärden Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden – *Occupational limit values in Sweden.*

#### 15.2 Chemical safety assessment

No Chemical Safety Report is available for the product.

8(8)

**Mikrosil, Base (brown, white, black, grey)**

Issued: 2006-05-04

Updated: 2014-10-27

Version 3.0

## SECTION 16: Other information

This product complies with all applicable rules and regulations under TSCA.

### Updated

Section 1, 2, 3, 8, 11, 12, 13, 15 in accordance with REGULATION (EC) No 453/2010 and REGULATION (EC) No 1272/2008.

### References

Data from the manufacturer – Brenntag Nordic AB, Box 50121, 202 11 Malmö

Chemical Substances – database on the Internet [http://kemi.prevent.se/default\\_eng.asp](http://kemi.prevent.se/default_eng.asp)

IMO: International Maritime Dangerous Goods-code (IMDG)

### Explanations to hazard codes, risk phrases and hazard statements

R20 Harmful by inhalation

### Advice for workers

See section 8.

This Safety Data Sheet has been produced by Barbro Ingemarsson, AdvocoTox AB, Sweden,  
[barbro.ingemarsson@advocotox.se](mailto:barbro.ingemarsson@advocotox.se), [www.advocotox.se](http://www.advocotox.se)

