

SAFETY DATA SHEET

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

1.1 Product identifier

White Magnetic Fingerprint Powder

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

Relevant identified uses: Forensics – to lift finger prints.
Professional use only.

Uses advised against: No known

1.3 Details of the supplier of the safety data sheet

Kjell Carlsson Innovation AB
Kronstigen 2
SE-172 37 Sundbyberg
Sweden
+46 (0) 8 28 07 84
kjell@carlssoninnovation.se
www.carlssoninnovation.se

1.4 Emergency telephone number

+46 8 28 07 84 (Office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

EU Regulation 1272/2008

Not classified

2.2 Label elements

EU Regulation 1272/2008

Hazard pictograms none

Signal word none

Hazard statements none

Precautionary statements none

2.3 Other hazards

The product does not contain compounds classified PBT or vPvB.
Dust can form explosive mixtures in air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components		Classification¹ 1272/2008	%
CAS No: 13463-67-7 EC No: 236-675-5 Reg. No: 01-2119489379-17	Titanium dioxide ²	Not classified	5-10

1) See explanations to hazard statements in section 16

2) The compound has an occupational limit value, see section 8

Other components

Iron compounds.

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 at least 5 minutes.

Get medical attention if irritation persists.

Ingestion

Rinse mouth with water.

If larger quantities have been ingested, give a couple of glasses of water to drink and consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Coughing, short of breath. May irritate the respiratory system.

Skin contact

Prolonged exposure may cause irritation.

Eye contact

May cause irritation (mechanical).

Ingestion

May cause nausea, vomiting and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Best way is to choke the fire.

If not possible - use suitable extinguishing media dependent on what is on fire in the vicinity, CO₂, dry chemicals, foam or water mist.



Do not use strong water jet.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

Avoid forming dust.

Fire may cause formation of metal oxides.

5.3 Advice for firefighters

Avoid letting extinction water into drains.

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

Avoid forming dust. Dust can form explosive mixtures in air.

Use protective gloves.

6.2 Environmental precautions

Prevent release to sewer and watercourses.

6.3 Methods and material for containment and cleaning up

Vacuum-clean or use water. Put in a container and hand over to waste management.

Clean the area.

6.4 Reference to other sections

See section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Adequate ventilation.

Avoid contact with eyes and skin.

Do not eat or drink while using the product.

Wash hands after use.

Avoid forming dust.

Don't breathe dust.

7.2 Conditions for safe storage, including any incompatibilities

Store separated from food.

Store in closed containers in a dry area.

Avoid excessive heat.

7.3 Specific end use(s)

Forensics - Professional use only.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EC limit values (2000/39/EC)

Compound	Threshold limit value mg/m ³	Short term limit value mg/m ³	Note
-	-	-	No limit values



AFS 2018:1 (Sweden)

Compound	Threshold limit value mg/m ³	Short term limit value mg/m ³	Note
Titanium dioxide -total dust	5	-	-

Derived no-effect level (DNEL)

No information.

Predicted no-effect concentration (PNEC)

No information.

8.2 Exposure controls

Avoid contact with eyes.

Wash your hands after use.

Handle in accordance with good industrial hygiene.

Do not eat or drink while using the product.

Personal protection

Use protective goggles if there is dust in the air.

Access to eye wash.

Use gloves made of fabric.

Use mask with particle filter P3 if the dust levels are worrying.

Environmental exposure controls

See section 13.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	white powder
Odor	none
pH-value (20 °C)	n.a.
Flammability	n.a.
Boiling point	ca 2800 °C
Self-ignition	n.a.
Melting point	> 300 °C
Vapour pressure (25 °C)	n.a.
Vapour density (air=1)	n.a.
Relative density (20 °C)	ca 7.8 g/cm ³
Explosion limit	Lower: no information Upper: no information
Viscosity	n.a.

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

Dust can form explosive mixtures in air.

10.4 Conditions to avoid

Avoid forming dust.

10.5 Incompatible materials

Keep away from oxidizing agents and strong acids.

10.6 Hazardous decomposition products

No known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

	Acute effects	Chronic effects
Inhalation	Low acute toxicity Inhalation of dust may cause coughing, short of breath. May irritate the respiratory system.	Inhalation of dry powder may cause cancer in humans, IARC group 2B.
Skin contact	Prolonged exposure may cause irritation.	No known
Eye contact	May cause irritation (mechanical).	No known
Ingestion	May cause nausea, vomiting and diarrhea.	No known

Allergy

Not expected to cause allergy.

Corrosive effect

Not expected to be corrosive.

Carcinogenic

Inhalation of dry powder may cause cancer in humans, IARC group 2B.

Mutagenicity

Not expected to be mutagenic.

Toxic for reproduction

Not expected to be toxic for reproduction.

Adverse health effects

No known.

Likely routes of exposure – inhalation, skin.

SECTION 12: Ecological information

12.1 Toxicity

Iron

LC₅₀ Fish 96h: 13.6 mg/l

LC₅₀ Fish 96h: 0.56 mg/l

Species: *Monrone saxatilis*

Species: *Cyprinus carpio*



*Titanium dioxide*LC₅₀ Fish 96h: >10 000 mg/lSpecies: *Cyprinodon variegatus*

Sediment, Gammarus 28d >100 000 mg/kg

Species: *Gammarus pulex***12.2 Persistence and degradability**

Elementary compounds - not further degradable.

12.3 Bioaccumulative potential

No risk for bioaccumulation.

12.4 Mobility in soil

Not soluble in water.

12.5 Results of PBT and vPvB assessment

None of the constituents are classified PBT or vPvB.

12.6 Other adverse effects

No known.

SECTION 13: Disposal considerations

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

EWC codes

06 03 16 Metallic oxides other than those mentioned in 06 03 15

12 01 02 Ferrous metal dust and particles

16 01 17 Ferrous metal

Note – classification of waste is the responsibility of the user.

13.1 Waste treatment methods

Do not pour the product in the sewer.

Contact the local waste management before discarding the product.

See additional regulations in 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**

COMMISSION DIRECTIVE 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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

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

AFS 2018:1 Hygieniska gränsvärden (*Occupational exposure limit values in Sweden*)

15.2 Chemical safety assessment

A Chemical Safety Report is not available for the product.

SECTION 16: Other information

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

Updated

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Abbreviations

IARC International Agency for research on cancer

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

References

Data from the manufacturers

Chemical Substances – database on the Internet <https://www.prevent.se/kemiskaamnen/>

C&L Inventory - <https://echa.europa.eu/regulations/clp/cl-inventory>

Explanations to hazard statements

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Advice for workers

See section 8.

This Safety Data Sheet has been produced by AdvocoTox AB, Sweden,
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