

SAFETY DATA SHEET

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

1.1 Product identifier

Wet Powder, White

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

Forensics - to develop latent finger prints. Professional use only.

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
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

EU Directive 1999/45/EG

Xi Irritating
R36 Irritating to eyes

EU Regulation 1272/2008

Eye dam. 1
H318 Causes serious eye damage

2.2 Label elements

According to 1999/45/EC

Xi Irritating
R36 Irritating to eyes

S25 Avoid contact with eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3 Other hazards

No known.



Irritating

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components		Classification ¹	%
		67/548/EEG / Self classified	
		1272/2008 / Self classified	
CAS: 68891-38-3 EINECS: 500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Not classified / Xi; R38, R41 Not classified / Skin irrit. 2, H315; Eye dam. 1, H318	5-10
CAS: 7631-86-9 EINECS: 231-545-4	Amorf silica	Not classified / Xn; R20 Not classified / Acute tox. 4, H332	5-10

Other components

70-90 % Titanium dioxide

1) See explanations in section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Fresh air.

Rinse mouth with water.

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.

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

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

Ingestion

Contact a doctor if larger quantities have been swallowed.

Eye contact

Go to hospital or contact an eye doctor.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use suitable extinguishing media dependent on what is on fire in the vicinity, CO₂, dry chemicals, foam or water.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

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.

Use protective gloves.

Spill may cause slippery floors.

6.2 Environmental precautions

Sweep up larger releases and hand over to waste management.

Prevent release to sewer and watercourses.

6.3 Methods and material for containment and cleaning up

Sweep up 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 contact with eyes.

Do not eat or drink when using the product.

Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

Store separate from food.

Keep in original container.

Store in closed containers at room temperature.

Protect from frost.

The product is durable for at least 2 years from production date.

7.3 Specific end use(s)

Forensics - Professional use only.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

National limit values in Sweden (AFS 2005:7)

Compound	Threshold limit value mg/m ³
	No limit values relevant for the dispersion

8.2 Exposure controls

Avoid contact with eyes.

Persons with sensitive skin or eczema should wear protective gloves.

Wash your hands after use.

Handle in accordance with good industrial hygiene.

Personal protection

Use protective goggles when there is a risk of splashing.

Use vinyl or rubber gloves when needed.

Environmental exposure controls

See section 13.

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

Appearance White dispersion

Flammability Not flammable

9.2 Other information**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

The product is a dispersion. Avoid excessive stirring, the product may fractionate.

10.5 Incompatible materials

Keep away from aluminium, calcium, magnesium, potassium, sodium and zinc.

10.6 Hazardous decomposition products

No known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Compounds***Titanium dioxide*

LD₅₀ Oral rat: >100000 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 and eyes.

SECTION 12: Ecological information

The product has not been tested.

12.1 Toxicity*Titanium dioxide*

LC₅₀ fish 96h: 370 mg/l Species *Cyprinodon variegates*

LC₅₀ invertebrates 96h: 400 mg/l Species Opossum schrimp



12.2 Persistence and degradability

Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Biodegradable (90 % in 28 days, OECD 301D)

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 classified as hazardous waste according to EU Directive 2008/98/EC.
H 4 Irritant: non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.

EWC codes

08 01 17* wastes from paint or varnish removal containing organic solvents or other dangerous substances

13.1 Waste treatment methods

Do not pour concentrated product in the sewer.

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.

6(6)

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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 2005:17 - Hygieniska gränsvärden och åtgärder mot luftföroreningar – *Occupational limit values in Sweden.*

15.2 Chemical safety assessment

No Chemical Safety Report is available for the product.

SECTION 16: Other information

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

Updated

All Sections (1-16) according to COMMISSION REGULATION (EU) No 453/2010

References

Data from the manufacturers

Chemical Substances – database on the Internet http://kemi.prevent.se/default_eng.asp

IUCLID dataset on Titanium dioxide <http://ecb.jrc.ec.europa.eu/iuclid-datasheet/13463677.pdf>

Explanations to hazard codes, risk phrases and hazard statements

Xn	Harmful
Xi	Irritating
R20	Harmful by inhalation
R36	Irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes

Skin irrit. 2	Skin corrosion/irritation, Hazard Category 2
Eye dam. 1	Serious eye damage/eye irritation, Hazard Category 1
Acute tox. 4	Acute toxicity (inhal.), Hazard Category 4
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled

Advice for workers

See section 8.

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