

SAFETY DATA SHEET

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

1.1 Product identifier

Wet Powder white

UFI: not applicable

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

Relevant identified uses: Forensics - to develop latent 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.

See section 16 for explanations to hazard statements

2.2 Label elements

EU Regulation 1272/2008

Pictogram none

Signal word none

Hazard statements none

Precautionary statements none

Supplemental label elements

EUH210 Safety data sheet available on request

2.3 Other hazards

The product does not contain compounds classified PBT or vPvB.

The product does not contain compounds considered or suspected to have endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Compound	CAS no	EC no	Conc. %	Pictogram	Hazard statement ¹	Category
Titanium dioxide ^{2,3} Reg no 01-2119489379	13463-67-7	236-675-5	10-20	GHS08	-	-
Alcohols, C12-14, ethoxylated, sulfates, sodium salts ⁴ Reg no 01-2119488639	68891-38-3	500-234-8	2-4	GHS05 GHS07 -	H318 H315 H412	Eye Dam. 1 Skin Irrit. 2 Aquatic Chronic 3

1) See section 16 for explanations to Hazard statements

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

3) Note 10: The classification as carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter or $\leq 10 \mu\text{m}$.

4) Specific Concentration Limits $\geq 10 \%$ Eye Dam. Category 1, H318; $5 - < 10 \%$ Eye Irrit. Category 2, H319

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Fresh air.

Skin contact

Wash the skin with water.

Eye contact

Rinse the eyes with lukewarm water.

Remove contact lenses.

Continue rinsing.

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

Skin contact

Long-term or repeated exposure may cause a slight irritation.

Eye contact

May cause a slight irritation. Tears.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Choose 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.

Fire may cause formation of carbon oxides and other decomposition products.

5.3 Advice for firefighters

Avoid release of extinction water to 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.

Prevent release to sewer and watercourses.

6.3 Methods and material for containment and cleaning up

Sweep up and put in a container. Hand over to waste management.

Clean the area with a wet cloth.

6.4 Reference to other sections

See sections 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 separated from food.
Store in original container.
Store in closed containers at room temperature.
Protect from freezing.
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

EC limit values (2000/39/EC)

Compound	Long-term exposure limit (8h) mg/m ³ / ppm	Short-term exposure limit (15 min) mg/m ³ / ppm	Note
-	- / -	- / -	no limit values

Workplace exposure limits Sweden (AFS 2018:1)

Compound	Long-term exposure limit (8h) mg/m ³ / ppm	Short-term exposure limit (15 min) mg/m ³ / ppm	Note
Titanium dioxide - total dust	5 / -	- / -	The limit value is not relevant for the dispersion

Derived no-effect level (DNEL)

	Exposure route	Effect	Value
Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS no: 68891-38-3 EC no: 500-234-8			
Consumer – long-term	Dermal	Systemic	1650 mg/kg
Consumer – long-term	Inhalation	Systemic	52 mg/m ³



Consumer – long-term	Oral	Systemic	15 mg/kg bw
Consumer – long-term	Dermal	Local	0.079 mg/cm ²
Worker – long-term	Inhalation	Systemic	175 mg/m ³
Worker – long-term	Dermal	Systemic	2750 mg/kg
Worker – long-term	Dermal	Local	0.132 mg/cm ²

Predicted no-effect concentration (PNEC)

	Value	Note
Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS no: 68891-38-3 EC no: 500-234-8		
Fresh water	0.24 mg/l	
Marine water	0.024 mg/l	
Intermittent release	0.071 mg/l	
Sewage treatment plant	10 000 mg/l	
Fresh water sediment	0.9168 mg/kg	based on dry weight
Marine sediment	0.0917 mg/kg	based on dry weight
Soil	7.5 mg/kg	based on dry weight

8.2 Exposure controls

Personal protection

Avoid contact with eyes.

Wash hands after use.

In case of contact with eyes: Rinse cautiously with lukewarm water for several minutes. If possible, remove contact lenses: Continue rinsing.

Respiratory protection – not normally required.

Protective gloves – persons with eczema or sensitive skin should use protective gloves (vinyl or rubber).

Facial protection – use protective goggles if there is a risk of splashing.

Protective clothing – not normally required.

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	dispersion
Colour	white
Odour	no information
pH (20°C)	no information
Melting point	no information



Flash point	not flammable
Flammability	not flammable
Boiling point	no information
Ignition temp	no information
Density (at 20°C)	no information
Viscosity	no information
Explosion limit	no information
Vapour pressure	no information

9.2 Other information

The product is soluble in water.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not liable to react during normal handling- and storage conditions.

10.2 Chemical stability

Stable during normal handling- and storage conditions.

10.3 Possibility of hazardous reactions

No known.

10.4 Conditions to avoid

The product is a dispersion. Avoid vigorous stirring, the product may separate.

10.5 Incompatible materials

Oxidizing compounds.

10.6 Hazardous decomposition products

No known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Compounds

Titanium dioxide

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

Inhalation	LC ₅₀ rat	>4.68 mg/4h
Skin contact	LD ₅₀ rabbit	>10 000 mg/kg bw
Eye contact	mechanical irritation	
Ingestion	LD ₅₀ rat	>100 000 mg/kg bw

Carcinogenic

Inhalation of dry powder may cause cancer in humans, IARC group 2B (not applicable for a dispersion).

Mixture

The mixture has not been tested.

Assessment based on ingredients

	Acute effects	Chronic effects
Inhalation	No known	No known
Skin contact	Long-term or repeated exposure may cause a slight irritation	No known
Eye contact	May be slightly irritating. Tears.	No known
Ingestion	No known	No known

Sensitisation

Not expected to induce an allergic reaction.

Corrosive effect

Not expected to be corrosive.

Repeated dose toxicity

Not expected to be toxic upon repeated exposure.

Carcinogenicity

The product is a dispersion and risk of inhalation is considered negligible – Therefore, the product is not expected to be carcinogenic.

Mutagenicity

Not expected to be mutagenic.

Toxicity for reproduction

Not expected to be toxic for reproduction.

Interactive effects

No known.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The product does not contain compounds considered or suspected to have endocrine disrupting properties.

Other

Likely routes of exposure – skin.

SECTION 12: Ecological information

12.1 Toxicity

Compounds

Titanium dioxide

LC ₅₀ Fish 96h:	>1000 mg/l	Species: <i>Fundulus heteroclitus</i>
EC ₅₀ Daphnia 24h:	>1000 mg/l	Species: <i>Daphnia magna</i>
IC ₅₀ Algae 72h:	>100 mg/l	Species: <i>Pseudokirchneriella subcapitata</i>

Mixture

The product has not been tested.

Based on ingredients – the product is not toxic to the environment.

12.2 Persistence and degradability

Compounds

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Ready biodegradable (90 % in 28 days, OECD 301D).

12.3 Bioaccumulative potential

No information.

12.4 Mobility in soil

The product is soluble in water and therefore considered mobile in soil.

12.5 Results of PBT and vPvB assessment

The product does not contain compounds classified PBT or vPvB.

12.6 Endocrine disrupting properties

The product does not contain compounds considered or suspected to have endocrine disrupting properties.

12.7 Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Discarded unused product

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

Waste code 20 01 30 detergents other than those mentioned in 20 01 29

Note – classification of waste is the responsibility of the user.
Observe federal, state and local environmental regulations. Contact a licensed professional waste disposal service.

Packaging

Should be disposed of in accordance with national and local regulations.

SECTION 14: Transport information
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The product is NOT classified as dangerous goods according to ADR/RID/IMO/DGR.

ADR/RID (road and railroad)

UN number

UN proper shipping name

Transport hazard class

Packing group

Classification code

Tunnel restriction code

Label

Limited quantities (LQ)

IMO (maritime)

UN number

UN proper shipping name

Transport hazard class

Packing group

Flash point

EmS

Marine pollutant

ICAO (air)

UN number

UN proper shipping name

Transport hazard class

Packing group

ICAO labels

Environmental hazards

No.

Special Precautions

None in particular.

Bulk transport according to Annex II, Marpol 73/78 and IBC code

The product is not transported in bulk.

SECTION 15: Regulatory information

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

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

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)

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

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

AFS 2018:1 - Hygieniska gränsvärden – *Occupational limit values in Sweden.*

15.2 Chemical safety assessment

Chemical Safety Report is not available for the product.

SECTION 16: Other information

Indication of changes

2024-03-05 Ver 3.0 - Revision of section 2

Abbreviations

DNEL	Derived no-effect level
PBT	Persistent, Bioaccumulative, Toxic
PNEC	Predicted no-effect concentration
vPvB	very Persistent, very Bioaccumulative

Key literature

This Safety Data Sheet is based on information from the manufacturers and databases of hazardous substances (Chemical Substances)

C&L Inventory- <https://www.echa.europa.eu/sv/web/guest/information-on-chemicals/cl-inventory-database>

Classification and procedure used to derive the classification for mixtures

The classification of the product is based on classification of the components according to REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Manufacturer

Kjell Carlsson Innovation AB, Kronstigen 2, SE-172 37 Sundbyberg, Sweden

Relevant hazard statements in section 3

H315 Causes skin irritation
H318 Causes serious eye damage
H412 Harmful to aquatic life with long lasting effects

Advice on training

See section 8.

Other

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