

SAFETY DATA SHEET

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

1.1 Product identifier Snow Print Powder

1.2 Relevant identified uses of the substance or mixture and uses advised against
Forensics - to increase contrast in snow 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

The product is not classified hazardous according to EU Directive 1999/45/EG or EU Regulation 1272/2008.

2.2 Label elements

According to 1999/45/EC

S8 Keep container dry
S22 Do not breathe dust
S25 Avoid contact with eyes

2.3 Other hazards

No known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components		Classification ¹	%
		67/548/EEG	
		1272/2008	
CAS: 7429-90-5 EINECS: 231-072-3	Aluminum powder	F; R11, R15 Flam. Sol. 1, H228; Water-react. 2, H261	10

Other components

Silane, dichlorodimethyl-, reaction products with silica, Ferric oxide

1) See explanations in section16

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 5 minutes.

Ingestion

Rinse out 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

Inhalation

Coughing and irritation.

Eye contact

Could give a slight eye 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 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.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

Carbonmonoxide, carbondioxide, formaldehyde and methane are formed during combustion.

5.3 Advice for firefighters

No particular advice.

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing dust.

6.2 Environmental precautions

Sweep up larger releases and hand over to waste management.

Prevent release to sewer.

6.3 Methods and material for containment and cleaning up

Not applicable.

6.4 Reference to other sections

See section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid breathing dust.
Avoid contact with skin and eyes.
Do not eat or drink when using the product.
Wash hands after use.

Keep away from sources of ignition.
Only to be used outdoors.

7.2 Conditions for safe storage, including any incompatibilities

Store separate from food.
Keep in original container.
Do not allow water to get into the container.
Store in closed containers in a dry area.

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
Dust, inorganic - inhalable	10
- respirable	5
Ferric oxide - respirable	3.5
Aluminium and oxide - total dust	5
- respirable	2

8.2 Exposure controls

Avoid raising dust.
Wash your hands after use.

Personal protection

Use gloves when needed.
Use protective glasses if dust is formed.

Environmental exposure controls

See section 13.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance red/brown powder
Flammability Not flammable

9.2 Other information

The product is not soluble in water.

The product is hydrophobic.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not liable to react during normal conditions.

10.2 Chemical stability

Stable during normal conditions.

10.3 Possibility of hazardous reactions

No known.

10.4 Conditions to avoid

Humidity.

10.5 Incompatible materials

Strong acids and alkalis.

10.6 Hazardous decomposition products

No known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Compounds

Silane, dichlorodimethyl-, reaction products with silica

Inhalation, acute toxicity - LC₅₀ rat > 0.477 mg/L/4h

Ferric oxide

Eye contact – Dust in the eyes could be irritating due to mechanical damage.

Aluminum powder

Inhalation – inhalation of high amounts could cause coughing and irritation.

Mixtures

The product has not been tested.

Likely routes of exposure – inhalation, skin and eyes.

The product is not classified hazardous according to EU Directive 1999/45/EG or EU Regulation 1272/2008.

SECTION 12: Ecological information

12.1 Toxicity

The product is not tested.

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 Swedish regulation SFS 2001:1063 and EU Directive 2008/98/EC

EWC codes

12 01 02 Ferrous metal dust and particles

12 01 04 Non-ferrous metal dust and particles

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 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

The product is not classified hazardous according to EU Directive 1999/45/EG or EU regulation 1272/2008.

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.

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Snow Print Powder

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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

References

Data from the manufacturers

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

Explanations to hazard codes, risk phrases and hazard statements

F	Flammable
R11	Highly flammable
R15	Contact with water liberates extremely flammable gases
Flam.Sol. 1	Flammable solids, Hazard Category 1
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 2
H228	Flammable solid
H261	In contact with water releases flammable gases

Advice for workers

See section 8.

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