

# SAFETY DATA SHEET

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

### 1.1 Product identifier

Wet Powder, Black

### 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](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

*EU Directive 1999/45/EG*

Xi Irritating

R36 Irritating to eyes

*EU Regulation 1272/2008*

Eye irrit. 2

H319 Causes serious eye irritation

### 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 <sup>1</sup>	
		67/548/EEG / Self classified	%
		1272/2008 / Self classified	
CAS: 1333-86-4 EINECS: 231-609-9	Carbon black	Not classified / Xn; R20, R36/37 Not classified / Eye irrit. 2, H319; Acute tox. 4, H332	90-95
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	≤ 1
CAS: 85711-69-9 EINECS: 288-330-3	Sulfonic acids, C13-17-sec-alkane, sodium salts	Not classified / Xi; R38, R41 Not classified / Skin irrit. 2, H315; Eye dam. 1, H318	≤ 1

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 5 minutes.

#### ***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 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, 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 decomposition products.

### 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 <sup>3</sup>
	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.

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***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                      Black 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 oxidizing agents.

### **10.6 Hazardous decomposition products**

No known.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

***Compounds***

*Carbon black*

Oral and skin tests does not show carcinogenicity.

Chronic inhalation exposure in rat did not show carcinogenicity.

***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**

*Carbon black*

LC<sub>50</sub> Fish 96h: 1000 mg/l Species: *Brachydanio rerio*

EC<sub>50</sub> Daphnia 24h: >5600 mg/l Species: *Daphnia magna*

### **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 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.

## 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](http://kemi.prevent.se/default_eng.asp)

IUCLID dataset on Carbon Black <http://ecb.jrc.ec.europa.eu/iuclid-datasheet/1333864.pdf>

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

Xn	Harmful
Xi	Irritating
R20	Harmful by inhalation
R36	Irritating to eyes
R36/37	Irritating to eyes and respiratory system
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
Eye irrit. 2	Serious eye damage/eye irritation, Hazard Category 2
Acute tox. 4	Acute toxicity (inhal.), Hazard Category 4
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled

### Advice for workers

See section 8.

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