

SAFETY DATA SHEET

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

1.1 Product identifier

Contrast Black

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

Relevant identified uses: Forensics - to develop finger prints by brushing.
Professional use only.

Uses advised against: Tattos

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		Classification ¹ 1272/2008	%
CAS No: 1333-86-4 EC No: 215-609-9 Reg. No: 01-2119384822-32	Carbon black ²	Not classified	100

1) See explanations to hazard statements in section 16

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

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.

Ingestion

Rinse mouth with water.

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

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Eye exposure may cause slight irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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 mist.

Do not use strong water jet.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

Carbon black that has been on fire should be closely monitored for 48h.

Fire may cause formation of carbon 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.
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.
The material is floating on water and will not dissolve.

6.3 Methods and material for containment and cleaning up

Vacuum-clean and put in a container. Don't use a brush or compressed air – dust will be formed.
Clean the area 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

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 use a brush or compressed air.
Don't breathe dust.
Avoid generation of static electricity.

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	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
Carbon black (dust) -Inhalable fraction	3	-	-

Derived no-effect level (DNEL)Workers, long-time – systemic effects, Inhalation (alveolar fraction) 0.5 mg/m³Workers, long-time – systemic effects, Inhalation (inhalable fraction) 2 mg/m³**Predicted no-effect concentration (PNEC)**

No information.

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.

Do not eat or drink while using the product.

Personal protection

Use protective goggles if there is a risk of exposure.

Use latex, PVC or rubber gloves when needed.

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 black powder

Odor none

pH-value (20 °C) 7 (concentration 50 g/l)

Flammability n.a.

Boiling point > 3000 °C

Self-ignition > 140 °C

Melting point > 3000 °C

Vapour pressure (25 °C) n.a.

Vapour density (air=1) n.a.

Density (20 °C) 1.7-1.9 g/cm³Explosion limit Lower: 50 g/m³

Upper: no information

Viscosity n.a.

9.2 Other information

The product is not soluble in water.

Dust can form explosive mixtures in air.

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.

Avoid temperatures above 400 °C.

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

	Acute effects	Chronic effects
Inhalation	Low acute toxicity	Inhalation of dry powder may cause cancer in humans, IARC group 2B.
Skin contact	LD ₅₀ rabbit >3 000 mg/kg bw Not irritating	No known
Eye contact	Slightly irritating	No known
Ingestion	LD ₅₀ rat > 8 000 mg/kg bw	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

LC ₅₀ Fish 96h:	1 000 mg/l	Species: <i>Brachydanio rerio</i>
EC ₅₀ Daphnia 24h:	>5 600 mg/l	Species: <i>Daphnia magna</i>
EC ₅₀ Algae 72h:	>10 000 mg/l	Species: <i>Scenedesmus subspicatus</i>

12.2 Persistence and degradability

Elementary carbon - not further degradable.

12.3 Bioaccumulative potential

The compound is not soluble in water – 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

Whether discarded product should be classified as hazardous waste or not, according to EU Directive 2008/98/EC, depends on use.

EWC codes

Not relevant.

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 available for the product.

SECTION 16: Other information

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

Updated

Ver. 2.0 - All sections

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

-

Advice for workers

See section 8.

This Safety Data Sheet has been produced by AdvocoTox AB, Sweden,
info@advocotox.se, www.advocotox.se

