

Material Safety Data Sheet



Completed 11-02-2026
Revision: (date) -
SDS version 1.0

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

1.1. Product Identifier

Trade Name: SoftC 2A
Product- no.: -
UFI: TSGA-NVH2-P20E-YPRQ

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

Recommended uses:

Test dust.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

Fiatec GmbH
Burgkunstadter Str. 3, Mainleus
DE-95336
Germany
+49 9229 9939-0
www.fiatec.com

Manufacturer:

Powder Technology Inc.
1300 Grey Fox Road
USA-55112 Arden Hills, MN
+1 952 894 -8737
www.powdertechinc.com

Contact person and E-mail:

mattias.eber@fiatec.com

The Safety data sheet is completed and validated by:

Mediator ApS, Centervej 2, DK-6000 Kolding. Consultant: FJ

1.4. Emergency telephone number

Healthcare Professionals: +353 01 809 2566 (27/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Asp Tox. 1;H304
Skin Sens. 1;H317

The product is not subject to labelling under CLP Regulation No. 1272/2008.
See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Danger

May be fatal if swallowed and enters airways. (H304)
May cause an allergic skin reaction. (H317)

Avoid breathing fume/gas/mist/vapours. (P261)
Wear protective gloves/eyeprotection. (P280)
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301 + P330 + P331)
If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313)
Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

-

Additional labelling:

-

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Additional warnings

The product does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Distillate petroleum, hydrotreated light paraffinic	649-468-00-3 / 01-2119487077-29-xxxx	64742-55-8	265-158-7	Asp. Tox. 1;H304	70 - 80	-
Carbon Black	- / 01-2119384822-32-xxxx	1333-86-4	215-609-9	-	10 - 16	-
Rosin	650-015-00-7 / 01-2119480418-32-xxxx	8050-09-7	232-475-7	Skin Sens. 1;H317	1 - 5	-
Iron(III) oxide	- / -	1309-37-1	215-168-2	-	1 - 3	-

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Seek fresh air.

Seek medical advice in case of breathing difficulties.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Do not induce vomiting.

Seek medical advice immediately.

Skin contact:

Immediately remove contaminated clothing.

Wash the skin thoroughly with water and continue washing for a long time.

Call for medical attention or ambulance.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation of spray mist may cause chemical pneumonia.

Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

Sensitivity effects: This product contains substances which can give an allergic reaction when inhaled. The allergic reaction allergy will typically set in an hour after exposure and give an inflammatory reaction in the lungs.

Causes damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist.

Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of vapour and fumes – seek fresh air.

Hazardous fumes are formed in fire conditions.

Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.

7.2. Conditions for safe storage, including any incompatibilities

The product must be stored safely and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The Health and Safety Authority, 2021 Code of Practice.

Substance	Long-term exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Note
Carbon Black	- / 3	- / -	-
Iron(III) oxide	- / 10	- / -	-

DNEL/PNEC-values:

DNEL Distillate petroleum, hydrotreated light paraffinic

	Workers	Consumers
Inhalation - Chronic Systemic	2,73 mg/m ³	-
Inhalation - Chronic Local	5,58 mg/m ³	-
Dermal - Chronic Systemic	0,97 mg/kg bw/day	-
Oral - Chronic Systemic	-	0,74 mg/kg bw/day

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:



Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with A2/P2 filter.
Respiratory protective equipment shall comply with one of the following standards: EN 136/140/145.

Hand protection:

Wear protective gloves made of nitrile rubber (> 0.11 mm). Protective gloves conforming to EN 374.
Penetration time: 480 min

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Eye/face protection:

Wear safety goggles if there is a risk of dust contact with eyes.
Eye protection conforming to EN 166.

Skin protection:

Special work clothing should be used.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Black
Odour:	Characteristic
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	270 - 360
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	220
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	1 g/cm ³
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

Avoid contact with the following: strong bases, strong acids and oxidizing agents.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Carbon Black	Oral	Rat	LD50	> 2000 mg/kg bw
Rosin	Oral	Rat	LD50	> 2000 mg/kg bw
Rosin	Dermal	Rat	LD50	> 2000 mg/kg bw
Iron(III) oxide	Oral	Rat	LD50	> 5000 mg/kg bw
Iron(III) oxide	Inhalation	Rat	LC50/ 4 Hours	5,05 mg/L air

Skin corrosion/irritation:

Irritating to skin – may cause reddening.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

May cause sensitization by inhalation and skin contact. Symptoms include cold, sneezing, breathing difficulties and hives. Reddening, swelling,

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Based on the existing data, the classification is not met.

Aspiration hazard:

May cause chemical pneumonia if ingested or vomited.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Carbon Black	96 Hours	Fish	LC50	> 1000 mg/L
Carbon Black	24 Hours	Daphnia	EC50	> 5600 mg/L
Carbon Black	72 Hours	Algae	EC50	> 10000 mg/L
Rosin	96 Hours	Fish	LC50	1,7 mg/L
Rosin	48 Hours	Daphnia	LC50	1,6 mg/L
Rosin	72 Hours	Algae	EC50	16,6 mg/L
Iron(III) oxide	48 Hours	Daphnia	EC50	> 100 mg/L
Iron(III) oxide	72 Hours	Algae	EC50	> 20 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Rosin	No	OECD Guideline 301 B	28 Days >80%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Iron(III) oxide	No	-

12.4. Mobility in soil

Test data are not available.

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12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
16 07 08	Wastes containing oil

Specific labelling:

-

Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.

ADR

-

IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

The Health and Safety Authority, 2021 Code of Practice.

Additional labelling:

-

Restrictions for application:

-

Demands for specific education:

-

15.2. Chemical safety assessment

None.

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SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

Directive 2008/98/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

Classification according to Regulation (EC) Nr. 1272/2008:

Asp Tox. 1;H304 Calculation method

Skin Sens. 1;H317 Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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