

Material Safety Data Sheet



Completed 07-05-2024
Revision: (date) -
SDS version 1.0

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

1.1. Product Identifier

Trade Name: Cyano Print Powder A
Product- no.: -
CAS-no.: 13746-66-2

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

Recommended uses:

Visual arts and hobby.

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:

| | |
|-----------------------|------------------------------------|
| Creotime.com | Creotime.com |
| Rasmus Færchs Vej 23 | 2 Pine Court, Kembrey Park Swindon |
| 7500 Holstebro | Wiltshire, SN2 8AD |
| Denmark | UK |
| Tlf.: +45 96 13 30 10 | +44 (0)793 616 068 |

Contact person and E-mail:

info@creotime.com

The Safety data sheet is completed and validated by:

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: RC

1.4. Emergency telephone number

NHS (National Health Service): 111

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019:

Eye Irrit. 2;H319

Aquatic Chronic 2;H411

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Warning

Causes serious eye irritation. (H319)

Toxic to aquatic life with long lasting effects. (H411)

Contact with acids liberates very toxic gas. (EUH 032)

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Wear protective gloves/eye protection. (P280)

If eye irritation persists: Get medical advice/attention. (P337 + P313)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)

Avoid release to the environment. (P273)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

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Additional labelling:

-

Additional warnings

-

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 |
|----------------------------------|----------------------------------|------------|------------|---|---------|------|
| Tripotassium hexacyanoferrate | - / - | 13746-66-2 | 237-323-3 | Eye Irrit. 2;H319, Aquatic Chronic 2;H411, EUH 032 | 100 | - |

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.

Seek medical advice in case of discomfort.

Ingestion:

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

Seek medical advice in case of discomfort.

Skin contact:

Wash skin with soap and water.

Seek medical advice in case of persistent discomfort.

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

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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.

Can generate harmful flue gases containing carbon monoxide in the event of fire.

Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or 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.
Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.
Store in a dry area.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

-

DNEL/PNEC-values:

DNEL Tripotassium hexacyanoferrate

| | Workers | Consumers |
|---------------------------|----------------|------------------|
| Dermal - Chronic Systemic | 9 mg/kg bw/day | 4.5 mg/kg bw/day |
| Oral - Chronic Systemic | - | 4.5 mg/kg bw/day |

PNEC Tripotassium hexacyanoferrate

| | |
|--------------|-----------|
| Fresh water | 1.7 µg/L |
| Marine water | 0.17 µg/L |

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.
Do not eat, drink or smoke when using this product.
Wash hands after use.

Personal protective equipment:



Respiratory protection:

Not required.

Hand protection:

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

Eye/face protection:

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

Skin protection:

Not required.

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: | Powder |
| Colour: | Red |
| Odour: | - |
| Melting point/ Freezing Point (°C): | - |
| Boiling point or initial boiling point and boiling range (°C): | - |
| Flammability: | - |
| Lower and upper explosion limit (vol-%): | - |
| Flash point (°C): | - |
| Auto-ignition temperature (°C): | - |
| Decomposition temperature (°C): | - |
| pH: | - |
| Kinematic viscosity (mm ² /s): | - |
| Solubility: | - |
| Partition coefficient n-octanol/water (log value) | - |
| Vapour pressure: | - |
| Density and/or relative density: | - |
| Relative vapour density: | - |
| Particle characteristics: | - |

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with strong acids.

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

None known.

10.5. Incompatible materials

Avoid contact with strong acids.

10.6. Hazardous decomposition products

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

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 |
|-------------------------------|----------|---------|------|-----------------|
| Tripotassium hexacyanoferrate | Oral | Rat | LD50 | > 5110 mg/kg |
| Tripotassium hexacyanoferrate | Dermal | Rat | LD50 | > 2000 mg/kg bw |

Skin corrosion/irritation:

May irritate the skin – may cause reddening.

Serious eye damage/irritation:

Irritating to eyes. Causes a burning sensation and tearing.

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

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**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:

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

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

| Substance | Test duration | Species | Test | Result |
|-------------------------------|---------------|---------|------|------------|
| Tripotassium hexacyanoferrate | 96 Hours | Fish | LC50 | > 100 mg/L |
| Tripotassium hexacyanoferrate | 48 Hours | Daphnia | EC50 | 59 mg/L |
| Tripotassium hexacyanoferrate | 72 Hours | Algae | EC50 | 1.7 mg/L |

12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|-----------|------------------|------|--------|
| No data. | - | - | - |

12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow |
|-----------|---------------------------|--------|
| No data. | - | - |

12.4. Mobility in soil

Test data are not available.

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

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

| EWC-Code | Description |
|----------|---|
| 08 03 12 | Waste ink containing hazardous substances |

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

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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:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:

-

Restrictions for application:

-

Demands for specific education:

-

15.2. Chemical safety assessment

None.

SECTION 16: Other information

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

Other information:

Sources:

The REACH Enforcement Regulations 2008, and The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019.

The Waste (Miscellaneous Amendments) (EU Exit) (No. 2) Regulations 2019

The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019.

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

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

EUH 032 Contact with acids liberates very toxic gas.

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 and GB mandatory classification and labelling list:

Eye Irrit. 2;H319 Calculation method

Aquatic Chronic 2;H411 Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals.

CLP: Classification Labelling Packaging Regulation.

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.

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Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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