

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



94208 Fast Green FCF

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Revised edition: 01.01.2011

Version: 2

Printed: 28.01.2014

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Fast Green FCF

Article No.: 94208

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

In vitro diagnostic
Reagent for analysis

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de - info@kremer-pigmente.de

E-Mail: kremer@kremer-pigmente.de

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC
Regulation 1272/2008

H341

Cat.: 2

Germ cell mutagenity, hazard category 2
Suspected of causing genetic defects.

Classification according to EC
Regulation No. 67/548 or No. 1999/45

Mut. Cat. 3

R68

Possible risks of irreversible effects.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC
Regulation 1272/2008

Hazard designation:



GHS08-1

Signal word:

Warning

Hazard designation:

Suspected of causing genetic defects.

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H341

Safety designation:

P281

Use personal protective equipment as required.

P308+P313

If exposed or concerned: Get medical advice/attention.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Hazardous Ingredients:

Disodium salt

CAS-Nr: 2353-45-9

EINECS-Nr: 219-091-5

EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air.

Get medical help.

After skin contact:

Remove contaminated clothing.

Wash off with water. Get medical attention.

After eye contact:

Rinse open eye for several minutes under running water.

Consult a physician immediately.

After ingestion:

Consult a doctor.

Immediately give water to drink (at the most 2 glasses).

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Irritating.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No information available.

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5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Combustible material.

Formation of hazardous combustion gases or vapors possible in the event of fire.

In case of fire: formation of sulfuric acids, nitrogen oxides and nitrous gases.

5.3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

Wear self-contained respiratory protective device.

Further information:

Reduce escaping gases/fumes/mist with water spray.

Avoid contamination of sewage system, open water ways and ground water.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid contact with skin, eyes and clothing.

Avoid formation of dust, wear protective clothing.

Evacuate the danger area, observe emergency procedures, consult an expert.

Ensure adequate ventilation.

6.2. Environmental Precautions

Environmental precautions:

Do not discharge into drains; risk of explosion!

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable container for disposal. Rinse spill area. Avoid dust formation.

Cover drains. Collect, bind and pump off spills.

Observe possible material restrictions! (see sections 7.2 and 10.5).

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

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Work under an extractor hood.

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Avoid contact with eyes and skin.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Store between 5-30°C.

Requirements for storage areas and containers:

Open and handle container with care.

Information on fire and explosion protection:

No information available.

Storage class (VCI):

10-13

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Does not contain substances with occupational exposure limits.

Parameters to be controlled (DE):

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Technical protective measures have priority to personal protective measures.

Personal Protection

General protective measures:

Remove contaminated clothing immediately.

Preventive skin protection by applying protective cream.

Wash hands before breaks and after work.

Respiratory protection:

In case of formation of dust.

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Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (> 480 min; 0.11 mm).

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:

solid

Color:

red violet

Odor:

characteristic

Odor threshold:

No information available.

pH-Value:

2.7 (10 g/l H₂O; 20°C)

Melting temperature:

290°C

Boiling temperature:

not available

Flash point:

not available

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

Density:

not available

Solubility in water:

150 g/l (25°C)

Coefficient of variation (n-

-5.42 logPOW

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Octanol/Water):

Auto-ignition temperature:

not applicable

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

not applicable

Oxidizing properties:

No information available.

Bulk density:

350 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

General information for combustible, organic substances and preparations:

The risk of a dust explosion is generally possible in very dusty states when whirled up.

10.2. Chemical Stability

Sensitive to humidity.

10.3. Possibility of Hazardous Reactions

Vigorous reactions with oxidants.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Protect from heat.

Thermal decomposition:

Avoid overheating (decomposition).

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

In the event of fire: see chapter 5.

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10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 2000 mg/kg

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

Slight irritant effect

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No information available.

Mutagenicity:

*Not mutagenic (Ames Test; Salmonella typhimurium: negative)
In vitro mammal chromosome aberration test (National Toxicology Program): positive
Can probably cause genetic defects.*

Reproductive toxicity:

No data available.

Cancerogenicity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

*Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.
Single exposure: the substance or mixture is not classified as specific target organ toxicant.*

Additional toxicological information:

*Aspiration hazard: not applicable
Handle in accordance with good industrial hygiene and safety practice.*

12. Ecological Information

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12. 1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12. 2. Persistency and Degradability

No information available.

12. 3. Bioaccumulation

No bioaccumulation expected (log P(o/w) < 1).

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

PBT/vPvB assessment not available as chemical safety assessment is not required / not conducted.

12. 6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

*No quantitative ecological data available for this product.
Do not let product enter waterways or sewage system.*

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of product residues according to the waste disposal guidelines 2008/98/EC as well as according to official national and local regulations.

Leave chemical in original containers. Do not mix with other waste.

European Waste Code (EWC):

Uncleaned packaging:

Packaging that may not be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

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IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

not applicable

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water

Local regulations on chemical accidents:

EC-Regulation 96/82 does not apply (2003).

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) are to be observed.

Restriction and prohibition of application:

Not permitted for privat consumers (ChemVerbV § and GL

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76/796/EEC).

Restricted to professional users.

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

No information available.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties. This Safety Data Sheet replaces that of 01.01.2004.