

Safety Data Sheet

Cromophtal® Yellow K 1310 (old Cromophtal® Yellow 4GV)

Revision date : 2012/08/17

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Version: 2.0

(30216797/SDS_GEN_US/EN)

1. Product and Company Identification

Company

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

2. Hazards Identification

Emergency overview**CAUTION:**

This product may cause eye, skin and respiratory irritation.

May cause sensitization by skin contact.

AVOID CREATING DUST.

The statements are based on the properties of the individual components.

May cause kidney effects.

Use NIOSH approved respirator as needed to mitigate exposure.

Take precautionary measures against static discharges.

Wear safety glasses with side-shields.

This product contains a substance regulated by the EPA under a Significant New Use Rule [SNUR].

State of matter: solid

Colour: yellow

Odour: odourless

Potential health effects**Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Irritation / corrosion:

Not irritating to eyes and skin.

Sensitization:

May cause sensitization by skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

Chronic toxicity:**Carcinogenicity:** None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

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Reproductive toxicity: No reproductive toxic effects reported.

Teratogenicity: No teratogenic effects reported.

Genotoxicity: No mutagenic effects reported.

Signs and symptoms of overexposure:

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Further important symptoms and effects are so far not known.

Potential environmental effects

Degradation / environmental fate:

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
Trade Secret	80.0 - 100.0 %	Pyrimidine pigment
Trade Secret	7.0 - 15.0 %	Fatty acid ester
Trade Secret	5.0 - 10.0 %	Fatty acid ester

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point:		not applicable
Autoignition:	460 °C	(BAM)
Flammability:	not highly flammable	
Self-ignition temperature:	> 400 °C	

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Suitable extinguishing media:

dry powder, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Impact Sensitivity:

Assessment: Product is not explosive when subjected to mechanical impact.

6. Accidental release measures

Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

7. Handling and Storage

Handling

General advice:

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place. Keep only in the original container.

Segregate from foodstuffs.

8. Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection:

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

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General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation.

9. Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Colour:	yellow	
pH value:	approx. 9	(as suspension)
Melting point:	> 200 °C	The substance / product decomposes.
Vapour pressure:	0.42 Pa	(20 °C)
Bulk density:	146 kg/m ³	
Partitioning coefficient n-octanol/water (log Pow):	-0.74	(calculated)
Solubility in water:	< 0.2 mg/l	(20 °C)
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Conditions to avoid:

Avoid dust formation. Avoid deposition of dust. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.

Substances to avoid:

strong oxidizing agents, strong bases, strong acids

Hazardous reactions:

Stable under normal conditions.
No hazardous reactions known.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg (OECD Guideline 423)

Inhalation:

Type of value: LC50
Species: rat
No data available.

Dermal:

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg (OECD Guideline 402)

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Irritation / corrosion

Skin:

Species: rabbit
Result: non-irritant
Method: OECD Guideline 404

Eye:

Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Genetic toxicity

Experimental/calculated data:
OECD Guideline 476 HGPRT assay CHO cells:with and without metabolic activation negative

12. Ecological Information

Fish

Acute:
OECD 203; ISO 7346; 92/69/EEC, C.1 Cyprinus carpio/LC50 (96 h): > 100 mg/l

Aquatic invertebrates

Acute:
OECD Guideline 202, part 1 Daphnia magna/EC50 (48 h): > 100 mg/l

Aquatic plants

Toxicity to aquatic plants:
OECD Guideline 201 green algae/EC50 (72 h): > 100 mg/l

Microorganisms

Toxicity to microorganisms:
OECD Guideline 209 activated sludge/EC50 (30 min): > 100 mg/l

Degradability / Persistence

Biological / Abiological Degradation

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C
Degree of elimination: (28 d)
Evaluation: Not readily biodegradable (by OECD criteria).

Bioaccumulation

Accumulation in organisms is not to be expected.

Other adverse effects:

Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

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Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations**Registration status:**

Chemical TSCA, US released; restriction on use / listed

This product contains a substance subject to a Significant New Use Rule (SNUR) or consent order restriction. 40 CFR 721.10030

OSHA hazard category: This material is classified as hazardous under OSHA regulations.; Acute target organ effects reported; Chronic target organ effects reported

EPCRA 311/312 (Hazard categories): Acute; Chronic

16. Other Information

Recommended use: colouring component

Unsuitable for use: This material is not intended for use in products for which prolonged contact with mucous membranes, body fluids or abraded skin, or implantation within the human body, is specifically intended, unless the finished product has been tested in accordance with nationally and internationally applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommend this material as safe and effective for such uses and assume no liability for such uses.;

NFPA Hazard codes:

Health : 2 Fire: 1 Reactivity: 0 Special: none

HMIS III rating

Health: 2⁺ Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating

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systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:

BASF NA Product Regulations

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MSDS Prepared on: 2012/08/17

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Due to the merger of CIBA and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us at the address mentioned in Section I.

END OF DATA SHEET