

Material Safety Data Sheet

according to ANSI Z400.1-2004

BRUFATEC Orange / Orange 29070

Print date: 22.05.2013

Product code: BFTEC_Orange_29070

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

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Chemical characterization (Mixture)

Pigment preparation

Composition/information on ingredients :

C.I. Pigment Yellow 184 (CAS: 14059-33-7 ; REACH: 01-2119486965-17)

C.I. Pigment Orange 73 (CAS: 84632-59-7)

Details of the supplier of the safety data sheet

Company name:	Bruchsaler Farbenfabrik GmbH & Co. KG	
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Emergency telephone: +49 7251 / 97 54 - 49 *
+49 7251 / 97 54 - 42 *
*) This number is serviced during office hours.

SECTION 2: Hazards identification**Route(s) of Entry**

Inhalation

Routes of entry for solids include ingestion, eye and skin contact.

Signs and Symptoms of Exposure

Carcinogenicity (NTP):	not listed
Carcinogenicity (IARC):	not listed
Carcinogenicity (OSHA):	not listed

SECTION 3: Composition/information on ingredients**Mixtures****SECTION 4: First aid measures****Description of first aid measures****After inhalation**

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. In all cases of doubt, or when symptoms persist, seek medical advice.

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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

The product itself is not combustible. Extinguishing materials should be selected according to the surrounding area.

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use a water spray jet to knock down vapours/gases/mists.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid generation of dust. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Environmental precautions

No special environmental protection measures are necessary.

Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container dry. Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Store in a cool dry place.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Protective and hygiene measures

Change contaminated clothing. Protect skin by using skin protective cream. After work, wash hands and face. Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

Respiratory protection: In the case of the formation of dust.

Hand protection

Wash hands before breaks and at the end of work.

Eye protection

Tightly sealed safety glasses.

Skin protection

Protective clothing: Street clothing should be stored separately from work clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: solid: Powder
Color: orange

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Odor: odourless

Test method

pH-Value: 6 - 8

Changes in the physical state

Melting point: not applicable

Ignition temperature: >400 °C

Density: 2,5 - 3,0 g/cm³

Water solubility: insoluble

Other information

Solid content: >99 %

Further information: refer to Technical Data Sheet.

SECTION 10: Stability and reactivity

Stability: Stable

Possibility of Hazardous Reactions: Will not occur

SECTION 11: Toxicological information**Information on toxicological effects****Irritation and corrosivity**

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: Not an irritant.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**Further information**

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations.

Contaminated packaging

Water (with cleaning agent). Completely emptied packings can be re-cycled.

SECTION 14: Transport information**US DOT 49 CFR 172.101****ID Number:** -**Hazard Class or Division:** -**Packing group:** -

Label: -

Other applicable information

Not a hazardous material with respect to these transportation regulations.

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SECTION 15: Regulatory information**U.S. Regulations****National Inventory TSCA**

TSCA Inventory Status:

All chemical substances in this material are included on or exempted from listing on the TSCA

OSHA hazard category

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA

EPCRA / SARA Title III (Chemical Listings)

Section 302 Extremely Hazardous Substances / EHSs (40 CFR 355):

Not listed

Section 304 CERCLA Hazardous Substances (40 CFR 302):

Not listed

Section 311/312 Hazard Class (40 CFR 370):

Acute: Not listed

Chronic: Not listed

Fire: Not listed

Pressure: Not listed

Reactive: Not listed

Section 313 Toxic Chemicals (40 CFR 372):

N770 - Vanadium Compounds:

CAS Number: Chemical name:

14059-33-7 Bismuth vanadium tetroxide (BiVO₄ ; Pigment Yellow 184)**State Regulations**

California (Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65)

Not listed

Massachusetts

No ingredient regulated by MA Right-to-Know Law present.

New Jersey – Pennsylvania – Illinois – Rhode Island

Required composition information (no component on Hazardous Substance List).

CAS Number: Chemical name:

14059-33-7 Bismuth vanadium tetroxide (BiVO₄ ; Pigment Yellow 184)84632-59-7 3,6-Bis(4-tert-butylphenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione
(Pigment Orange 73)**SECTION 16: Other information****Hazardous Materials Information Label (HMIS)**

Health:	1
Flammability:	1
Physical Hazard:	0
Personal Protection:	X

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NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	X



(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)