

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BEZAKTIV ORANGE GO

Version 1.3

Revision Date 19.02.2013

Print Date 06.06.2013

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : BEZAKTIV ORANGE GO

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

Use of the Sub-
stance/Mixture : Dye for the textile finishing

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

CHT R. BEITLICH GMBH
Bismarckstraße 102
72072 Tübingen
Germany
Tel.: +49(0)70 71 15 40
info@cht.com

BEZEMA AG
Kriessernstrasse 20
9462 Montlingen
Switzerland
Tel.: +41(0)71 763 88 11
bezema@bezema.com

Importer : -
-
-
-
-
-

Responsible Department : CHT R. BEITLICH GMBH
BEZEMA AG
Product Safety
msds@cht.com
product.safety@bezema.com

1.4 Emergency telephone number

Emergency telephone : +49(0)70 71 15 40 (Germany, 24 hours)
number : +41(0)71 763 88 11 (Switzerland, 24 hours)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Irritant

R41: Risk of serious damage to eyes.

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2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms



R-phrase(s) : R41 Risk of serious damage to eyes.

S-phrase(s) : S22 Do not breathe dust.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.

2.3 Other hazards

According to our present knowledge the product does not contain persistent, bioaccumulative and toxic substances (PBT substances) or very persistent and very bioaccumulative (vPvB substances) as defined in Annex XIII of the Regulation (EG) No 1907/2006 (REACH), respectively.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Reactive dyestuff
dedusted product

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
potassium, sodium 2,4-diamino-3-[4-(2-sulfonatoethoxysulfonyl)phenylazo]-5-[4-(2-sulfonatoethoxysulfonyl)-2-sulfonatophenylazo]-benzenesulfonate	422-980-2	Xi; R41		>= 55 - <= 70

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

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- | | |
|-------------------------|--|
| General advice | : Take off contaminated clothing and shoes immediately. |
| If inhaled | : Move to fresh air.
If symptoms persist, call a physician. |
| In case of skin contact | : Wash off immediately with soap and plenty of water. |
| In case of eye contact | : Rinse immediately with plenty of water, also under the eyelids,
for at least 10 minutes.
If symptoms persist, call a physician. |
| If swallowed | : Rinse mouth with water.
Immediately give plenty of water (if possible charcoal slurry).
If symptoms persist, call a physician or Poison Control Centre
immediately. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-------|--------------------|
| Risks | : irritant effects |
|-------|--------------------|

4.3 Indication of any immediate medical attention and special treatment needed

- | | |
|-----------|--------------------------|
| Treatment | : Treat symptomatically. |
|-----------|--------------------------|

5. Firefighting measures

5.1 Extinguishing media

- | | |
|--------------------------------|---|
| Suitable extinguishing media | : Water spray jet
Dry powder
Foam |
| Unsuitable extinguishing media | : Carbon dioxide (CO ₂) |

5.2 Special hazards arising from the substance or mixture

- | | |
|---------------------------------------|---|
| Specific hazards during fire-fighting | : Exposure to decomposition products may be a hazard to health. |
|---------------------------------------|---|

5.3 Advice for firefighters

- | | |
|---|---|
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
| Further information | : In case of fire do not inhale smoke, conflagration gases and
steams.
Fire residues and contaminated fire extinguishing water must
be disposed of in accordance with local regulations. |

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.
Avoid breathing dust.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.
Avoid dust formation.
Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid creating dust.
Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in original container.

Advice on common storage : No special precautions required.

7.3 Specific end use(s)

Note : Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

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Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection : Effective dust mask.
P1 filter

Hand protection : PVC or other plastic material gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : Long sleeved clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Keep away from food, drink and animal feedingstuffs.
When using do not eat or drink.

Protective measures : Do not breathe dust.
Avoid contact with the skin and the eyes.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : powder

Colour : orange

Odour : characteristic

Flash point : not applicable

Flammability (solid, gas) : does not ignite

pH : 5 - 8
at 10,00 g/l
20 °C

Water solubility : 150 g/l

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at 25 °C

9.2 Other information

10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : not applicable

10.5 Incompatible materials

Materials to avoid : Avoid contact with other chemicals.

10.6 Hazardous decomposition products

Thermal decomposition : No decomposition if stored and applied as directed.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 Oral: > 2.000 mg/kg
Species: rat

Skin irritation : No skin irritation

Eye irritation : Risk of serious damage to eyes.

Sensitisation : No known sensitising effect.

Further information : This product is classified as a reactive dye. This class of product can cause sensitization of the respiratory tract. People with asthma or respiratory conditions should not handle reac-

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tive dyes.

12. Ecological information

12.1 Toxicity

- Toxicity to fish : LC0: > 100 mg/l
Exposure time: 96 h
Species: Leuciscus idus (Golden orfe)
Method: OECD Test Guideline 203
- : LC50: > 100 mg/l
Exposure time: 96 h
Species: Leuciscus idus (Golden orfe)
Method: OECD Test Guideline 203
- Toxicity to bacteria : EC50: > 100 mg/l
Exposure time: 3 h
Respiration inhibition of activated sludge
Method: Retarded respiration test (OECD 209)

12.2 Persistence and degradability

- Biodegradability : Duystuff are, as indicated, very persistent and they are, under the conditions of the sewage plant or water course, very difficult to biodegrade.
- Chemical Oxygen Demand (COD) : 730 mg/g
- Physico-chemical removability : 20 - 50 %
Method: static method (Photometry)
The elimination of dyestuff from dyeing liquors or washing baths is possible up to at least 95 % by means of cationic amide condensation products.

12.3 Bioaccumulative potential

- Bioaccumulation : Does not accumulate in organisms.

12.4 Mobility in soil

- Mobility : no data available

12.5 Results of PBT and vPvB assessment

According to our present knowledge the product does not contain persistent, bioaccumulative and toxic substances (PBT substances) or very persistent and very bioaccumulative (vPvB substances) as defined in Annex XIII of the Regulation (EG) No 1907/2006 (REACH), respectively.

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12.6 Other adverse effects

Adsorbed organic bound halogens (AOX) : < 0,1 %

13. Disposal considerations

13.1 Waste treatment methods

Product : Dispose of as special waste in compliance with local and national regulations.

European Waste Catalogue : 040216 : dyestuffs and pigments containing dangerous substances

Contaminated packaging : Dispose of as unused product.

14. Transport information

14.1 UN number

ADR : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.2 Proper shipping name

ADR : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.3 Transport hazard class

ADR : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.4 Packing group

ADR : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.5 Environmental hazards

ADR : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.6 Special precautions for user

see chapter 6 - 8

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : not applicable

15. Regulatory information

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

Other regulations : Currently no information available.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R41 Risk of serious damage to eyes.

Full text of H-Statements referred to under sections 2 and 3.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.