

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Remazol Black RN

CBBN25

000010075984

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SECTION 1: Identification of the substance/preparation and company

1.1 Product identifier

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

Use pattern :

Textile dye

1.3 Details of the supplier of the safety data sheet

DyStar Colours Distribution GmbH

Am Prime Park 10-12

D - 65479 Raunheim

Telephone no. +49 6142 4072 3172

Telefax no. +49 6142 4072 3000

MSDS@DyStar.com

1.4 Emergency telephone number

Emergency telephone number: +49 2365 4984140

SECTION 2: Hazards identification

2.1 Classification of the Substance or Mixture

According to regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Classification of the Substance or Mixture

Respiratory or skin sensitisation: Respiratory Sensitisation, Cat. 1B

Respiratory or skin sensitisation: Skin Sensitisation, Cat. 1B

Possible Hazards according Directive 67/548/EEC or 1999/45/EC

May cause sensitization by inhalation and skin contact.

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2.2 Label elements

Pictograms:



health hazard

Signal word:

Danger

Hazard Statements:

- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):

- P260 Do not breathe dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary Statements (Response):

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

- P404 Store in a closed container.

Precautionary Statements (Disposal):

- P501 Dispose of contents/container to waste treatment in accordance with national regulations.

2.3 Other hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

not applicable

SECTION 3: Composition/information on ingredients

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3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

azo reactive dyestuffs, dust free preparation

Hazardous Ingredients (GHS) according Regulation (EC) 1272/2008

C.I. Reactive Black 5

Content:	40 - 60 %	Resp. Sens. 1B	H334
EC Number	241-164-5	Skin Sens. 1B	H317
CAS number :	17095-24-8		
REACH registr. no.	01-2119471334-41		

Hazardous Ingredients according Directive 1999/45/EC

C.I. Reactive Black 5

Content:	40 - 60 %	Hazard symbols: Xn
EC Number	241-164-5	R phrases: 42/43
CAS number :	17095-24-8	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Remove all contaminated clothing immediately. Cleansing with plenty of water, soap or other non-irritating cleansing agents. If skin reactions occur, contact a physician.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Please see hazard statements in section 2.2 if given and information in this section if stated.

4.3 Indication of any immediate medical attention and special treatment needed

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder.

Extinguishing media that must not be used for safety reasons: CO2

5.2 Special hazards arising from the substance or mixture

not determined

5.3 Advice for firefighters

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid formation and deposition of dust.

6.2 Environmental precautions

Environmental precautions: Do not empty into drains or waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labelled, sealable containers.

6.4 Reference to other sections

Additional information: For further disposal measures see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store in original container in a cool, dry place. In filling operations take precautionary measures against static discharges.

Storage class: 11 Combustible solids

Storage stability:

Storage period: 36 Months

7.3 Specific end use(s)

not determined

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored :
Not applicable

8.2 Exposure controls

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.
Inhalation of dust and aerosols must be absolutely prevented by either adequate ventilation or by a suitable mask. People with chronic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders must cease immediately.

Hygiene measures: Keep away from food and drink stuffs.
Do not eat, drink or smoke at work.
Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection : half-mask with combination filter ABEK-P3

Hand protection : Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection : safety glasses with side protection shield

Body protection : Wear protective clothing.

SECTION 9: Physical and chemical properties

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9.1 Information on basic physical and chemical properties

Form :	powder
Colour :	black
Odour :	odourless
Melting point	not determined
Boiling point	not determined
Flash point :	Not applicable
Ignition temperature :	not determined
flammability :	not determined
Lower explosion limit :	not determined
Upper explosion limit :	not determined
Vapour pressure :	not determined
Density :	not determined
Solubility in water :	approx. 100 g/l
pH value :	5,5 - 7,5 (20 °C) water

Octanol/water partition coefficient (log not determined
Pow) :

Viscosity (dynamic) :	not determined
Viscosity (kinematic) :	not determined
Viscosity (flow time) :	not determined

9.2 Other information

Combustion number :	not determined
Dust explosion class :	not determined

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Bulk density : not determined

Further information (phys.-chem.) not necessary

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2 Chemical stability

Thermal decomposition No thermal decomposition when stored and handled correctly.

10.3 Possibility of hazardous reactions

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

Hazardous decomposition products: Not applicable

10.4 Conditions to avoid

For avoidable conditions: not necessary

10.5 Incompatible materials

For avoidable materials: not necessary

10.6 Hazardous decomposition products

Not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity : LD50 > 2.000 mg/kg (rat)

Acute inhalation toxicity : not determined

Acute dermal toxicity : not determined

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : non-irritant (rabbit eye)

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Sensitization :	sensitizing (Guinea pig) Method : Maximisation Test High dust concentration may result in irritation of the mucous membranes (eyes or respiratory tract). Repeated exposure to high dust concentration of some reactive dyestuff POWDERS containing this dyestuff has very sporadically caused respiratory hypersensitivity., Individuals with hyper sensitivity to the respiratory tract (e.g.asthma,chronical bronchitis) are advised not to handle the product.
Repeated dose toxicity	not determined
Mutagenicity:	Ames-test negative
Mutagenicity:	not determined
Teratogenicity :	not necessary
Carcinogenicity :	not necessary
Remarks :	Test results of a similarly composed product

SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity :	LC50 > 100 mg/l (96 h, Brachydanio rerio) Method : OECD 204
Daphnia toxicity :	EC50 > 100 mg/l (48 h, Daphnia magna)
Algae toxicity :	not determined
Bacteria toxicity :	EC50 > 1.000 mg/l (Sewage sludge organisms) Method : OECD 209

12.2 Persistence and degradability

Physico-chemical eliminability :	> 95 % (Colour decrease) Method : Iron sulphate precipitation
Biodegradability :	10 - 25 % Method : Batch method Analysis method:, Photometry
Biodegradability :	If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.

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Behaviour in environmental compartments: not determined

Dissolved Organic carbon (DOC) : not determined

Chemical oxygen demand (COD) : approx. 970 mg/g
Method : calculated

Biochemical oxygen demand (BOD5): < 30 mg/g

Remarks: Test results of a similarly composed product

Product does not add to the AOX-value of the sewage. (DIN EN 1485)
The product does not contain heavy metals in concentrations of concern for waste water.
The product does not release nitrogen which can contribute to eutrophication.
The product does not contain phosphates or organophosphorus compounds.

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

not determined

12.6 Other adverse effects

not determined

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e. g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040216 Dyestuffs and pigments containing dangerous substances

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

SECTION 14: Transport information

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ADR	Non dangerous goods
ADNR	Non dangerous goods
RID	Non dangerous goods
IMDG	Non dangerous goods
IATA_C	Non dangerous goods
IATA_P	Non dangerous goods

14.1 UN number

See above entry at the respective regulation.

14.2 UN proper shipping name

See above entry at the respective regulation.

14.3 Transport hazard class(es)

See above entry at the respective regulation.

14.4 Packing group

See above entry at the respective regulation.

14.5 Environmental hazards

See above entry at the respective regulation.

14.6 Special precautions for user

Keep separated from foodstuffs.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.:

SECTION 15: Regulatory information

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

Labelling according Directive 67/548/EEC or 1999/45/EC:

Hazard symbols: Xn Harmful

contains: C.I. Reactive Black 5

R42/43 : May cause sensitization by inhalation and skin contact.

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S22 : Do not breathe dust.
S24 : Avoid contact with skin.
S37 : Wear suitable gloves.

TA-Luft (Ger.) : Not applicable

Water Hazard Class (Ger.) : WGK 2 - impairment of water quality WGK = Classification in accordance with the German Water Resources Act Annex 2 VwVwS (Germany) dated Mai, 17th 1999

15.2 Chemical safety assessment

not determined

SECTION 16: Other information

Text of all shortcuts referred to in sections 2 and 3:

Xn	Harmful
42/43	May cause sensitization by inhalation and skin contact.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1B	Respiratory or skin sensitisation: Skin Sensitisation, Cat. 1B
Resp. Sens. 1B	Respiratory or skin sensitisation: Respiratory Sensitisation, Cat. 1B

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.