

Safety Data Sheet

according to 29 CFR 1910.1200



Procion Deep Red H-EXL gran CBBN25

000010001714

Version 1.4 / USA / EN Revision Date: 05/26/2015

replaces version: 1.3 on 05/09/2011

generated on: 10/07/2003

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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 L.P.
Pine Brook III

9844 Southern Pine Blvd
Charlotte, NC 28273, USA
Telephone no. (800) 439-7827
Telefax no. (704) 561-3098

1.4 Emergency telephone number

Emergency telephone number: (800) 424-9300

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

Classification of the chemical in accordance with paragraph (d) of §1910.1200

Causes skin irritation.
Causes serious eye damage.

Classification of the Substance or Mixture

Skin corrosion/irritation: Irritant, Cat. 2

Serious eye damage/eye irritation: Irreversible effects on the eye, Cat. 1

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2.2 Label elements

Pictograms:



corrosion

Signal word:

Danger

Hazard Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary Statements (Prevention):

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (Response):

''''

P302+P334 IF ON SKIN: Immerse in cool water/wrap in wet bandages.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or a doctor/physician.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

Precautionary Statements (Storage):

Precautionary Statements (Disposal):

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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

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

azo reactive dyestuffs, dust free preparation

Hazardous Ingredients (GHS) according to 29 CFR 1910.1200

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.

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.

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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.

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

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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.

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.
Do not allow product temperature to exceed 50 °C.

Storage stability: Storage period: 36 Months

7.3 Specific end use(s)

not determined

SECTION 8: Exposure controls/personal protection

8.1 Exposure limits

Ingredients with occupational exposure limits to be monitored

reactive dyestuffs Content: ≥ 50 %

8.2 Exposure controls

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General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

NOTICE: GRANULATE DYESTUFFS ARE FREE-FLOWING, SPECIALLY DEDUSTED REACTIVE DYESTUFF PREPARATIONS. BY CAREFUL HANDLING DUSTING CAN BE SUPPRESSED ALMOST COMPLETELY.

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 : If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.

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

Eye protection : tightly fitting safety glasses

Body protection : Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : granules

Colour : red

Odour : odourless

Melting point : > 200 °C

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| | |
|-------------------------|-----------------------------|
| flammability : | not determined |
| Lower explosion limit : | not determined |
| Upper explosion limit : | not determined |
| Solubility in water : | 70 g/l (20 °C) |
| pH value : | approx. 9.0 (20 °C, 10 g/l) |
| Viscosity (kinematic) : | not determined |
| Viscosity (flow time) : | not determined |

9.2 Other information

| | |
|-----------------------------------|----------------|
| Dust explosion class : | 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

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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)

Irritant effect on skin : irritant (rabbit)
Method : Draize Method

Irritant effect on eyes : irritant - risk of serious damage to eyes (rabbit eye)
Method : Draize Method

Sensitization : non-sensitizing (Guinea pig)
High dust concentration may result in irritation of the mucous membranes (eyes or respiratory tract). Repeated exposure to high dust concentration of some reactive dyestuffs may very occasionally cause respiratory hypersensitivity. A sensitisation by this dyestuff has not yet been observed.

Teratogenicity : not necessary

Carcinogenicity : not necessary

Remarks : The data is based on the toxicological properties of the components of the product.

11.2 Information on toxicological effects

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Primary route of exposure

Inhalation: Yes

Skin Absorption: No

Ingestion: No

Skin Contact: Yes

Eye Contact: Yes

Effects of overexposure

Risk of serious damage to eyes., Irritating to skin with symptoms of itching and reddening., This product belongs to a class of dyestuffs in which occasional cases of respiratory sensitization have been observed. Inhalation sensitization by this product has not been observed. Nevertheless, avoid inhalation.

Signs and symptoms of overexposure

See effects of overexposure, Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives., Respiratory sensitization can range from runny nose, cough and irritated eyes to asthmatic symptoms. These effects can lead to shock and cardiovascular collapse and are potentially lethal

Medical conditions aggravated

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

11.3 Carcinogen status

IARC: No

NTP: No

OSHA: No

ACGIH: No

CalProp65: No

SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity :

LC50 > 100 mg/l (96 h, Oncorhynchus mykiss)

Daphnia toxicity :

EC50 > 100 mg/l (48 h, Daphnia magna)

Algae toxicity :

EC50 > 100 mg/l (72 h, Scenedesmus subspicatus)
Method : Algae, Growth Inhibition Test modified for coloured test substances.

Bacteria toxicity :

IC50 > 100 mg/l (3 h, activated sludge)

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Method : OECD 209

12.2 Persistence and degradability

Physico-chemical eliminability : not determined

Biodegradability : < 20 %
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.

Behaviour in environmental compartments: not determined

Chemical oxygen demand (COD) : approx. 1,000 mg/g

Remarks: The data is based on the toxicological properties of the components of the product.

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.
Contains organically bound halogen, but in hydrolysable form. This reactive dye can slightly increase the adsorbable organic halogen content of the effluent.

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

not determined

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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

14.1 Transport classification

D.O.T. Information

| | |
|--------|---------------------|
| CFR | Non dangerous goods |
| IMDG | Non dangerous goods |
| IATA_C | Non dangerous goods |
| IATA_P | Non dangerous goods |

14.2 Special precautions for user

Protect against wetness.
Keep separated from foodstuffs.

14.3 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

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

US Regulations

TSCA

The components of this product are listed on the TSCA inventory.

Sara 313

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372..

Sara 312

| | |
|---------------------------------|-----|
| Immediate (acute) health hazard | Yes |
| Delayed (chronic) health hazard | No |
| Fire hazard | No |
| Sudden Release of Pressure | No |
| Reactivity | No |

HMIS code: 2 - 1 - 0 - E

15.2 Chemical safety assessment

not determined

SECTION 16: Other information

None of the products you purchase from DyStar L.P. are subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

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

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.

Print date