SECTION 1: Identification of the substance/preparation and company

1.1 Product identifier
Sabracron F Rich Black F61

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
PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724

1.4 Emergency telephone numbers
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

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

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

Classification of the Substance or Mixture
Respiratory or skin sensitization: Skin Sensitization, Cat. 1 B
Respiratory or skin sensitization: Respiratory Sensitization, Cat. 1 B
2.2 Label elements

Pictograms:

health hazard

Signal word:
Danger

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

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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P304+P341 IF INHALED: If breathing is difficult. remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

Precautionary Statements (Disposal):
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

C.I. Reactive Blue 225
- Content: 75 – 85%
- Skin Sens. 1B
- EC Number: 401-560-2
- CAS number: 108624-00-6

C.I. Reactive Black 5
- Content: 2 – 5%
- Resp. Sens. 1 B
- Skin Sens. 1B
- EC Number: 241-164-5
- CAS number: 17095-24-8
- REACH registr. no. 01-2119471334-41

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/vapor/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.

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: C02

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.

7.2 Conditions for safe storage, Including any Incompatibilities

Requirements for storage rooms and vessels: Do not allow product temperature to exceed 40°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

C.I. Reactive Blue 225   Content: 75 – 85%
C.I. Reactive Black 5    Content: 2 – 5%
Sodium phosphate, dibasic Content: 2.2 %   CAS number: 10039-32-4

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: 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: safety glasses with side protection shield

Body protection: Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Form: powder
Color: dark-blue
Odor: odorless
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
Vapor pressure: not determined
Density: not determined
Solubility in water: 50 g/l (25°C)
pH value: 5.0 - 6.0 (100 g/l) 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
Bulk density: 440 - 580 kg/m³
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 from 210°C

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: ID₅₀ > 5,000 mg/kg (rat)
11.2 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute inhalation toxicity</td>
<td>not determined</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>not determined</td>
</tr>
<tr>
<td>Irritant effect on skin</td>
<td>non-irritant (rabbit)</td>
</tr>
<tr>
<td>Irritant effect on eyes</td>
<td>non-irritant (rabbit eye)</td>
</tr>
<tr>
<td>Sensitization</td>
<td>May cause sensitization by inhalation and skin contact.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>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 sensitization by this dyestuff has not yet been observed.</td>
</tr>
<tr>
<td>Repeated dose toxicity</td>
<td>not determined</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>not determined</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>not necessary</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>not necessary</td>
</tr>
</tbody>
</table>

Remarks: Test results of a similarly composed product.
Primary route of exposure

Inhalation: Yes  Skin Absorption: No  Ingestion: Yes
Skin Contact: Yes  Eye Contact: Yes

Effects of overexposure

Based on testing done on one or more of the components, this product is a skin and respiratory sensitizer.

Signs and symptoms 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 respiratory condition may be more susceptible to the effects of this product. Persons with any pre-existing skin conditions 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 (48 h, Leuciscus idus)
Method: Range Finding Test

Daphnia toxicity:

not determined

Algae toxicity:

not determined

Bacteria toxicity:

100 mg/l
Method: 50% - inhibitory effects:
Test procedure: Respiratory inhibition of activated sludge organisms according to D. Brown et al., Chemosphere, 10(3), 245-261 (1981), and conforming to OECD Guideline 209
12.2 Persistence and degradability

Physio-chemical eliminability: not determined
Biodegradability: < 10%
   Method: evaluated from the components
Behavior in environmental compartments: not determined
Dissolved Organic carbon (DOC): not determined
Chemical oxygen demand (COD): 590 mg/g
Biochemical oxygen demand (BODS): 20 mg/g
Remarks: Test results of a similarly composed product
Product may add with max. 2.0% to the AOX-value of the sewage. (DIN 38409)
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 contains 0.7% phosphorus as phosphate.

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 utilization 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
RQ met at: 103,100 kg

CFR Non dangerous goods
IMDG Non dangerous goods
IATA_C Non dangerous goods
IATA_P Non dangerous goods

14.2 Special precautions for user

Keep separated from foodstuffs.

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

No transport in bulk according to Annex" 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

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 | Yes
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 this company 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:
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 18 Respiratory or skin sensitization: Skin Sensitization, Cat. 18
Resp. Sens. 18 Respiratory or skin sensitization: Respiratory Sensitization, 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.