

SAFETY DATA SHEET PR168 PREPARATION

according to Regulation (EC) No. 1907/2006

SolidFlow **PR168 Anthraquinone Scarlet** - Product code **SF 352-X**

Date of Revision: October 10th 2024 Revision N:1 Country /Language: ITA / EN

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

1.1. Product identifier

Trade name:	PR-168 preparation
Product code:	SF 352-X
CAS number:	4378-61-4
INDEX number:	CI Pigment Red 168
EEC (EINECS) number:	224-481-3
Structural Formula:	4,10-dibromodibenzo[def,mno]chrysene-6,12-dione

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

Use of the Substance/Mixture:	Synthetic iron oxide mixed with anionic and non-ionic surfactants
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1.3. Details of the supplier of the safety data sheet

Company	SIOF S.p.A. Via Garibaldi 62 15068 - Pozzolo Formigaro (AL) Italy Tel: +39 0143417781 VAT nr.: IT 0016470069 Production sites: 1) Pozzolo Formigaro (AL) - Via Garibaldi 62 2) Verona - Via Pisano 53/A
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Email address of the competent person:

siof@siof.it

1.4. Emergency telephone number

Emergency telephone number:	+39 0143417781
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to EC Regulation 1272/2008

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label elements

Classification according to EC Regulation 1272/2008

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable

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Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other hazards

Organic substances in powder form may have the potential to cause dust explosions.

SECTION 3: Composition/information on ingredients

3.2 Substances

Components:

Name:	Anthraquinone Scarlet
Identification:	4,10-dibromodibenzo[def,mno]chrysene-6,12-dione
EEC (EINECS) number:	224-481-3
CAS number:	4378-61-4

Other components:

Name:	Anionic and non-ionic additives.
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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	Seek medical attention in case of complaints.
After inhalation:	Supply fresh air and keep patient calm.
After skin contact:	Wash with soap and rinse with plenty of water.
After eye contact:	Rinse open eyes with plenty of water. In case of discomfort seek medical help.
After ingestion:	Do not induce vomiting. Consult physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	No further information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment:	No further information available.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Foam, water jet.
Unsuitable extinguishing media:	Carbon dioxide, water jet, dry extinguishing powder.

5.2 Special hazards arising from the substance or mixture

Specific hazards:	In case of fire: formation of carbon oxides, nitrogen oxides.
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5.3 Advice for firefighters

Protective equipment:	Wear self-contained respiratory protective device..
Further information:	

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid formation of dust, wear protective clothing.

6.2 Environmental precautions

Environmental precautions: Prevent contamination of soil, drains and surface waters.

6.3 Methods and material for containment and cleaning up

Methods and material: Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

6.4 Reference to other sections

For information for safe handling see Section 7.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Instructions on safe handling: No special measures necessary if properly handled.
Avoid formation of dust.

Hygienic measures: Do not inhale dust. Wash hands before breaks and at the end of work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in tightly sealed containers in a dry room.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Take measures to prevent static electricity discharge, earth/ground all equipment.

Keep away from sources of ignition.

ST1 Capable of dust explosion

Storage class (VCI):

11; Combustible solids

7.3 Specific end use(s)

Further information:

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Parameters to be controlled (DE): none known

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration PNEC):

Additional Information:

8.2 Exposure controls

Technical protective measures: Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures: Remove contaminated clothing immediately.
Wash contaminated clothes before reuse.
Preventive skin protection by applying protective cream.
Wash hands before breaks and after work.

Respiratory protection: **Dust mask recommended when very dusty.**

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Hand protection:	Protective gloves (EN 374)
Protective glove material:	Nitrile rubber
Eye protection:	Safety glasses (EN 166).
Body protection:	Protective clothing.

Environmental precautions: Prevent from getting into the soil, surface water and sewage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	granules
Physical state:	solid
Colour:	Red
Odour:	characteristic
Solubility:	Insoluble in water. It disperses.
Density:	1,99 kg/l (pigment)
Bulk density:	0.8- 1.2 kg/l
Decomposition temperature:	> 400 °C (pigment)
Autoignition temperature:	> 400 °C (pigment)
Flammability:	not applicable

9.2 Other information

Burning class:	Combustion factor 1: no scorching.
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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable if used according to specifications.

10.2 Chemical stability

Stable if used according to specifications.

10.3 Possibility of hazardous reactions

None if handled and stored according to specifications..

10.4 Conditions to avoid

Conditions to avoid:	Avoid formation of dust.
Thermal decomposition:	> 400°C

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None if stored and handled according to specifications.

10.7 Further Information

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50, oral:	> 2000 mg/kg (rat)
LD50 (Oral):	No information available.
LC50, inhalation:	No information available.

Primary effects:

Irritant effect on skin:	Non irritating (rabbit)
Irritant effect on eyes:	Non-irritating to eyes (rabbit).
Inhalation:	No information available.
Ingestion:	No information available.
Sensitization:	No information available.
Mutagenicity:	No data available.
Reproductive toxicity:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	No information available.
Specific target organ toxicity (STOT):	No data available.

Additional toxicological information:

SECTION 12: Ecological information

12.1 Aquatic Toxicity

No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2 Persistence and degradability

Not determined due to the low solubility of the product.

12.3 Bioaccumulative potential

No available information.

12.4 Mobility in soil

No available information.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other Adverse Effects

Water hazard class: Slightly hazardous.

Behaviour in sewage systems:

Further ecological effects: Do not let product enter waterways or sewage system.

AOX Value:

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:	Dispose of according to official national and local regulations.
European Waste Code (EWC):	
Uncleaned packaging:	Packaging may be disposed of in the same manner as the product.
Waste Code No.:	

SECTION 14: Transport information

14.1 UN number

ADR, IMDG, IATA

14.2 UN proper shipping name

ADR / RID: No hazardous goods according to ADR (land transportation).

IMDG/IATA: No hazardous goods according to IMDG.

14.3 Transport hazard class(es)

ADR Class: not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class: not applicable

Hazard no.:

14.4 Packing group

ADR/RID:

IMDG:

IATA:

14.5 Environmental hazards

None

14.6 Special precautions for user

Not classified as a dangerous good under transport regulations.

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

Not applicable.

14.8 Further Information

SECTION 15: Regulatory information

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

Water hazard class: 1, slightly hazardous for water

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

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Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3 Further Information

SECTION 16: Other information

Issued by:	Responsible for Health, Safety, and Environment
Issue date:	October 10 th , 2024
Revision N:	1

More information:

This safety data sheet is drawn up in compliance with in force the regulations in classification and labeling matter on the revision date indicated in the header. The information provided on this SAFETY DATA SHEET corresponds to the state of our knowledge and knowledge our experience of the product, and it is not exhaustive.

It applies to the product as is, compliant with specifications. In case of combinations or mixtures, make sure that no new danger can arise. In no case does it exempt the user of the product from complying with all legislative provisions, administrative and regulatory issues relating to the product, hygiene and safety at work.