

SAFETY DATA SHEET PBr29 PREPARATION

according to Regulation (EC) No. 1907/2006

SolidFlow **PBr29 Chrome Iron Brown** - Product code **SF 940-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:	PBr-29 preparation
Product code:	SF 940-X
CAS number:	12737-27-8
INDEX number:	CI Pigment Brown 29
EEC (EINECS) number:	235-790-8
Structural Formula:	CrFeO ₃

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

Use of the Substance/Mixture:	Synthetic pigment mixed with anionic and non-ionic surfactants.
-------------------------------	---

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
----------	--

Email address of the competent person:

siof@siof.it

1.4. Emergency telephone number

Emergency telephone number:	+39 0143417781
-----------------------------	----------------

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008):

Not a hazardous substance or mixture.

2.2. Label elements

Labelling (REGULATION (EC) No 1272/2008):

	Non hazardous substance/mixture
Danger Pictograms:	Not applicable
Warnings:	No warning instructions
Danger Indication:	Not classified: there are no significant effects noted.

2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of the Regulation (EC) No. 1907/2006.

The substance does not have endocrine disrupting properties.

SolidFlow **PBr29 Chrome Iron Brown** Product code **SF940-X**

Date of Revision: October 10th 2024

Revision N: 1

Country / Language: ITA / EN

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components:

Remarks: No hazardous ingredients.

Components:

Name: Chrome Iron Brown

EEC(EINECS) number: 235-790-8

CAS number: 12737-27-8

Other components:

Name: Anionic and non-ionic additives.

SECTION 4: First aid measures

4.1 Description of first aid measures

No effects are expected that would require the implementation of special first aid measures. The following information is a practical guide to correct behavior in the event of contact with a chemical product, even if not dangerous.

In case of doubt or in the presence of symptoms, contact a doctor and show him this document. In the event of more serious symptoms, call 118 to obtain immediate medical assistance.

Protection of rescuers

It is good practice for the rescuer who provides assistance to a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of such protection depends on the dangerousness of the substance or mixture, the method of exposure and the extent of contamination. In the absence of other more specific indications, it is recommended to use disposable gloves in the event of possible contact with biological fluids. For the type of PPE suitable for the characteristics of the substance or mixture, refer to section 8.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

In case of symptoms, whether acute or delayed, seek medical advice.

Means to be available at the workplace for specific and immediate treatment

Running water for skin and eye washing.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: carbon dioxide (CO₂), powder, foam, hazy water.

Unsuitable extinguishing media: Strong water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards: In case of fire, avoid breathing combustion products. The product is combustible and, when the dust is dispersed in the air in sufficient



SolidFlow PBr29 Chrome Iron Brown Product code SF940-X

Date of Revision: October 10th 2024

Revision N:1

Country / Language: ITA / EN

concentrations and in the presence of an ignition source, it can form explosive mixtures with air. The fire can develop or be further fed by the solid, possibly leaked from the container, when it reaches high temperatures or by contact with ignition sources.

5.3 Advice for firefighters

Firefighting instructions :

Cool containers with water jets to prevent product decomposition and the development of substances potentially hazardous to health. Always wear complete fire protection equipment. Collect extinguishing water that must not be discharged into drains. Dispose of contaminated fire extinguishing water and fire residue according to current regulations.

Protection during firefighting:

Normal firefighting clothing, such as open-circuit compressed air breathing apparatus (EN 137), flame-retardant overalls (EN469), flame-retardant gloves (EN 659) and firefighter's boots (HO A29 or A30).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

In case of vapors or dust dispersed in the air, use respiratory protection. These indications are valid both for workers and for emergency interventions.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Dam with earth or inert material. Collect most of the material and eliminate the residue with water jets. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4 Reference to other sections

Concerning personal protective equipment to use, see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle the product after consulting all other sections of this information sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store containers away from any incompatible materials, see section 10.

7.3 Specific end use(s)

No data.



SolidFlow PBr29 Chrome Iron Brown Product code **SF940-X**

Date of Revision: October 10th 2024

Revision N: 1

Country / Language: ITA / EN

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Regulatory references:

TLV-ACGIH

ACGIH 2023

Chrome and Iron Oxide						
Threshold limit values						
Type	State	TWA/8h		STEL/15min		Notes/Observations
		mg/m ³	ppm	mg/m ³	ppm	
TLV-ACGIH		3				RESPIR

Legend:

(C) = CEILING; INALAB = Inhalable fraction; RESPIR = Respirable fraction;
TORAC = Thoracic fraction.

8.2 Exposure controls

Hand protection:

Observe the usual safety measures when handling chemicals.

Not needed.

Eye protection:

Not needed.

Body protection:

Not needed.

Respiratory protection::

We recommend using a type P filtering face mask, the class (1, 2 or 3) and actual need of which must be defined based on the outcome of the risk assessment (ref. standard EN 149).

Environmental precautions:

Emissions from production processes, including those from ventilation equipment, should be monitored to comply with environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Granules

Physical state:

Solid

Colour:

Brown

Odour:

Characteristic

Solubility:

Insoluble in water. It disperses.

Density:

5,15 kg/l (pigment)

Bulk density:

0.8 - 1.2 kg/l

Decomposition temperature:

No data available

Flammability:

Not applicable

9.2 Other information

No data available



SolidFlow PBr29 Chrome Iron Brown Product code SF940-X

Date of Revision: October 10th 2024

Revision N: 1

Country / Language: ITA / EN

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions. Reference to other sections: 10.4 & 10.5.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Dust is potentially explosive when mixed with air.

10.4 Conditions to avoid

Avoid the accumulation of dust in the environment.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information:

No data available

Information on likely routes of exposure:

No data available

Immediate and delayed effects and chronic effects from short and long-term exposure:

No data available

Interactive effects:

No data available

Acute toxicity:

Does not meet the classification criteria for this hazard class.

Skin corrosion/irritation:

Does not meet the classification criteria for this hazard class.

Serious eye damage/eye irritation:

Does not meet the classification criteria for this hazard class.

Respiratory or skin sensitization:

Does not meet the classification criteria for this hazard class.

Germ cell mutagenicity:

Does not meet the classification criteria for this hazard class.

Carcinogenicity:

Does not meet the classification criteria for this hazard class.

Reproductive toxicity:

Does not meet the classification criteria for this hazard class.

STOT-single exposure:

Does not meet the classification criteria for this hazard class.

STOT-repeated exposure:

Does not meet the classification criteria for this hazard class.

Aspiration hazard:

Does not meet the classification criteria for this hazard class.

11.2 Information on other dangers

Based on available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under evaluation.

SECTION 12: Ecological information

Use according to good working practices, avoiding dispersal of the product into the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.



SolidFlow **PBr29 Chrome Iron Brown** Product code **SF940-X**

Date of Revision: October 10th 2024

Revision N: 1

Country / Language: ITA / EN

12.1 Toxicity	No available information.
12.2 Persistence and degradability	No available information.
12.3 Bioaccumulative potential	No available information.
12.4 Mobility in soil	No available information.
12.5 Results of PBT and vPvB assessment	The substance has no persistence, bioaccumulation and toxicity (PBT) properties and is not very persistent and very bioaccumulative (vPvB).
12.6 Endocrine Disrupting Properties	Based on available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.
12.7 Other adverse effects	No available information.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product residues as is are to be considered non-hazardous special waste.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

For solid residues, consider the possibility of disposal in an authorized landfill.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national regulations on waste management.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

14.1 UN number	Not applicable.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not applicable.

SolidFlow **PBr29 Chrome Iron Brown** Product code **SF940-X**

Date of Revision: October 10th 2024

Revision N: 1

Country / Language: ITA / EN

14.6 Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: Regulatory information

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

EU-Regulations:

No REACH Annex XVII restrictions

SECTION 16: Other information

Issued by:

Responsible for Health, Safety, and Environment

Date:

October 10th, 2024

Revision:

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.