

Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 16 May 2023
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

SAFETY DATA SHEET

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

1.1 Product identifier

SP Red 60

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

Relevant identified uses: Colorants for the Paints, lacquers and varnishes industry

1.3 Details of the supplier of the safety data sheet

Company: Color Rare Ltd 105-1725 Atmec Gatineau, QC J8R 0E7
Tel/Fax: 1-613-701-5022
Email: info@colorare.com

1.4 Emergency Telephone No.:

Canada Contact your local Provincial Poison Centre or
911 <http://www.capcc.ca/>
Ontario: 1-800-268-9017
Quebec: 1-800-463-5060

USA American Association of Poison Control Centers 1-800-222-1222 <http://www.aapcc.org/>

CHEMTREC
<http://www.chemtrec.com/>
Emergency telephone number : 1-800-424-9300

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to UN GHS criteria

Skin Corr./Irrit. 3

For the classifications not written out in full in this section the full text can be found in section 16.

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 16 May 2023

Product: **SP Red 60**

(ID no. 30179358/SDS_GEN_EU/EN)

2.2. Label elements

Globally Harmonized System, EU (GHS)

Signal Word:

Warning

Hazard Statement:

H316 Causes mild skin irritation.

Precautionary Statements (Response):

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

Other hazards

According to UN GHS criteria

The product is under certain conditions capable of dust explosion.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

organic pigment, dispersing agent

C.I. Pigment Red 254

Hazardous ingredients (GHS)

According to UN GHS criteria

Sodium diisobutylnaphthalenesulphonate

Content (W/W): $\geq 0,3\%$ - $< 1\%$

CAS Number: 27213-90-7

EC-Number: 248-326-4

Acute Tox. 4 (Inhalation - dust)

Acute Tox. 4 (oral)

Eye Dam./Irrit. 1

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 3

Aquatic Chronic 3

H318, H335, H302 + H332, H402, H412

For the classifications not written out in full in this section the full text can be found in section 16.

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

1,2-Ethanediamine, polymer with 2-methyloxirane and oxirane
Content (W/W): >= 15 % - < 20 % CAS Number: 26316-40-5
Skin Corr./Irrit. 3

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open,

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

5.2. Special hazards arising from the substance or mixture

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

5.3. Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing.

6.2. Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Avoid raising dust.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Protect from temperatures below: 0 °C

Protect from temperatures above: 50 °C

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

6683-19-8: Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	granules	
Colour:	product specific	
Odour:	odourless	
Odour threshold:		
	not determined	
pH value:	8.5 – 10.5 (100 g/l) (as suspension)	
Melting point:		
	not determined	
Boiling point:	not determined	
Flash point:		
	Study does not need to be conducted.	
Evaporation rate:		
Flammability:	The product is a non-volatile solid. not highly flammable	(UN Test N.1 (ready combustible solids))
Lower explosion limit:		
	For solids not relevant for classification and labelling.	
Upper explosion limit:		
	For solids not relevant for classification and labelling.	
Ignition temperature:	420°C	(VDI 2263, sheet 1, 2.6)
Vapour pressure:		
	not applicable	
Density:		
	not determined	

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

Relative density: No data available.
Relative vapour density (air): The product is a non-volatile solid.
Solubility in water: 50 g/l
(15 °C)
Solubility (quantitative): Insoluble
Partitioning coefficient n-octanol/water (log Kow):
Study does not need to be conducted.

Self ignition: not self-igniting
Temperature: 226 °C
No self ignition was observed up to the specified temperature.
Temperature: > 400 °C
Test type: Spontaneous self-ignition at room-temperature.
Test type: Self-ignition at high temperatures.
(Method: VDI 2263, sheet 1, 1.4.1)
(Method: VDI 2263, sheet 1, 1.3)
Thermal decomposition: < 300 J/g (DSC (DIN 51007))
Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

Viscosity, dynamic: Study does not need to be conducted.
Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

9.2. Other information

Burning rate: 200 mm
The material doesn't meet the criteria specified in paragraph 33.2.1.4.4 of UN manual of tests and criteria.
(UN Test N.1 (ready combustible solids))
Self heating ability: It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.
(VDI 2263, sheet 1, 1.4.1)
Minimum ignition energy: (1.013 hPa, 23 °C)
Grain size distribution: 200 - 600 µm
The product is capable of dust explosion.
(VDI 2263, sheet 1, 2.1.1)
Bulk density: 300 - 600 kg/m³
Miscibility with water: (15 °C)
miscible
Hygroscopy: Non-hygroscopic
Grain size distribution: No data available

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

SECTION 10: Stability and Reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

Dust explosion hazard.

10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

10.5. Incompatible materials

Substances to avoid:

No substances known that should be avoided.

10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

ATE (oral): > 5.000 mg/kg

LC50 (by inhalation):

not determined

ATE (dermal): > 5.000 mg/kg

Irritation

Assessment of irritating effects:

Not irritating to the eyes. Skin contact causes slight irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:

Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)

The product has not been tested. The statement has been derived from the properties of the individual components.

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Developmental toxicity

Assessment of teratogenicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated oral uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects. The product has not been tested. The statement has been derived from the properties of the individual components.

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

Aspiration hazard

Not applicable

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish:

LC50 (96 h) > 100 mg/l, *Leuciscus idus*

The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates:

LC50 (48 h), daphnia

Not determined

Aquatic plants:

EC50 (72h), algae

Not determined

Microorganisms/Effect on activated sludge:

EC50 (0,5 h), bacteria

not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Colourants are by their nature very stable and are therefore not readily biodegradable under conditions prevailing in surface water or in effluent treatment plants.

Elimination information:

Well eliminable from water by adsorption on activated sludge.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

Significant accumulation in organisms is not to be expected.
The product has not been tested. The statement has been derived from the properties of the individual components.

12.4. Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:
Volatility: The substance will not evaporate into the atmosphere from the water surface.
Adsorption in soil: Adsorption to solid soil phase is not expected.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

12.6. Additional information

Add. remarks environm. fate & pathway:
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:
Do not discharge product into the environment without control.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

SECTION 14 : Transport Information

Land transport

ADR	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for User	None known

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for User	None known

Transport in inland waterway vessel:
Not evaluated

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for User	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for User	None known

COLOR RARE
Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 22 November 2020
Product: **SP Red 60**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 2.0

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

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

SECTION 15: Regulatory Information

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

Not applicable.

SECTION 16: Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Skin Corr./Irrit.	Skin corrosion/irritation
Acute Tox.	Acute toxicity
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H302 + H332	Harmful if swallowed or if inhaled
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H316	Causes mild skin irritation.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.