

Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 15 May 2023
Product: **SP YELLOW 12**
(ID no. 30179358/SDS_GEN_EU/EN)

Version: 3

Safety data sheet

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

1.1 Product identifier

SP YELLOW 12

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 Regulation (EC) No 1272/2008 [CLP]

Eye Dam./Irrit. 2

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According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:
No particular hazards known.

2.2. Label elements

Globally Harmonized System, EU (GHS)
Pictogram:



Signal Word:
Warning

Hazard Statement:
H319 Causes serious eye irritation.

Precautionary Statements (Prevention):
P280d Wear eye/face protection.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P311 if eye irritation persists: Call a POISON CENTER or doctor/physician.

According to Directive 67/548/EEC or 1999/45/EC

Directive 1999/45/EC ('Preparation Directive')

The product does not require a hazard warning label in accordance with EC directives.

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]
The product is under certain conditions capable of dust explosion.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

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Not applicable

3.2. Mixtures

Chemical nature

azo pigment, additives

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Maleic acid, Polymer with Diisobutene, sodium salt / Ref.No. 02-2119630703-45-0000

Content (W/W): $\geq 5\%$ - $< 15\%$

Eye Dam./Irrit. 2
H319

Sodium diisobutyl-naphthalenesulphonate

Content (W/W): $\geq 0.5\%$ - $\leq 2\%$

CAS Number: 27213-90-7

EC-Number: 248-326-4

Acute Tox. 4 (Inhalation - dust)
Acute Tox. 4 (oral)
Skin Corr./Irrit. 2
Eye Dam./Irrit. 1
Aquatic Chronic 3
H318, H315, H332, H302, H412

PGMS-salt

Content (W/W): $\geq 2\%$ - $\leq 4\%$

EC-Number: 479-570-1

REACH registration number: 01-0000020025-84

Eye Dam./Irrit. 2
H319

Hazardous ingredients

according to Directive 1999/45/EC

Sodium diisobutyl-naphthalenesulphonate

Content (W/W): $\geq 0.5\%$ - $\leq 2\%$

CAS Number: 27213-90-7

EC-Number: 248-326-4

Hazard symbol(s): Xn, Xi

R-phrases: 20/22, 38, 41, 52/53

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

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.

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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 plenty of water.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

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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.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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 above: 100°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

7727-43-7: Barium sulfate

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium

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efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

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:	yellow	
Odour:	odourless	
Odour threshold:		
	not determined	
pH value:	7 – 10 (100g/l)	
Melting point:		
	not determined	
Flash point:		
	Study does not need to be conducted.	
Evaporation rate:		
	The product is a non-volatile solid.	
Flammability:	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:	340°C	(VDI 2263, sheet 1, 2.6)
Vapour pressure:		
	not applicable	
Relative density:		
	No data available.	

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Relative vapour density (air):

The product is a non-volatile solid.

Solubility in water: 50.0 g/l
(15 °C)

Solubility (quantitative) :

Insoluble

Self ignition:

Temperature: > 220 °C

(Method: VDI 2263, sheet 1,
1.4.1)

Temperature: 390 °C

(Method: VDI 2263, sheet 1,
1.3)

Thermal decomposition: 255 °C, 670 kJ/kg (DSC (DIN 51007))

Risk of exothermic self-accelerating decomposition above the indicated temperature.

> 75 °C (SADT, Test H.4, 28.4.4)

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

9.2. Other information

Self heating ability: It is not a substance capable of spontaneous heating.

Minimum ignition energy:

The product is capable of dust explosion.

Bulk density: 300-600 kg/m³

Hygroscopy: Non-hygroscopic

Grain size distribution: No data available.

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

Avoid dust formation. Avoid deposition of dust. Avoid sources of ignition.

10.5. Incompatible materials

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Substances to avoid:

None known during use and storage if used according to instructions.

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

Experimental/calculated data:

LD50 rat (oral): > 2,000 mg/kg

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

LC50 (by inhalation):

not determined

LD50 (dermal):

not determined

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

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

Serious eye damage/irritation rabbit: irritant

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

Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components

Germ cell mutagenicity

Assessment of mutagenicity:

No data available concerning mutagenic effects

Carcinogenicity

Assessment of carcinogenicity:

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No data available.

Reproductive toxicity

Assessment of reproduction toxicity:
No data available.

Developmental toxicity

Assessment of teratogenicity:
No data available.

Specific target organ toxicity (single exposure)

Remarks: No data available.

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

Assessment of repeated dose toxicity:
No data available.

Aspiration hazard

No aspiration hazard expected.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity to fish:
LC50 (96 h), > 100 mg/l, Fish
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:
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

Chronic toxicity to fish:

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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):
The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant.

Elimination information:
Well eliminable from water by adsorption on activated sludge.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:
No data available.

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

Assessment transport between environmental compartments:
No data available.

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

Adsorbable organically-bound halogen (AOX):
The product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters.

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

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

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

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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

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

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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

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2. Chemical Safety Assessment

Chemical Safety Assessment not yet performed due to registration timelines

SECTION 16: Other Information

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xn	Harmful.
Xi	Irritant.
20/22	Harmful by inhalation and if swallowed.

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38	Irritating to skin.
41	Risk of serious damage to eyes.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Eye Dam./Irrit.	Serious eye damage/eye irritation
Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H319	Causes serious eye irritation.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.

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. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.