

Safety Data Sheet

Liquid Reactive Golden Yellow 104 40%

according to 29 CFR 1910.1200
000010011011
Version 1.0 1 USA 1 EN Revision Date: 05/26/2015

SECTION 1: Identification of the substance/preparation and company

1.1 Product identifier

Liquid Reactive Golden Yellow 104 40%

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 number

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

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, aqueous preparation

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.

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, CO₂, foam, dry powder.

Extinguishing media that must not be used for safety reasons: not determined

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: Use the necessary personal protection equipment during any work.

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 with absorbent material and fill into a closable container.

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: Close container immediately after use, avoid excessive heat. Do not allow to dry out.

Advice on protection against fire and explosion: No special measures against fire or explosion required

7.2 Conditions for safe storage, including any incompatibilities

liquid	approx. 1.1 g/cm ³
yellow to orange	approx. 4.0 - 6.0 (22°C)
not determined	undiluted
approx. 100°C	not determined
> 100°C	not determined
not determined	
not determined	
not determined	

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 No thermal decomposition when stored and handled correctly.

10.3 Possibility of hazardous reactions

Hazardous reactions: No hazardous reaction when used as directed.

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:	LD50 > 2,000 mg/kg (rat)
Irritant effect on skin:	non-irritant (rabbit)
Irritant effect on eyes:	non-irritant (rabbit eye)
Sensitization:	May cause sensitization by skin contact.
Teratogenicity:	not necessary

Remarks: The data is based on the toxicological properties of the components of the product.

11.2 Information on toxicological effects

11.3 Carcinogen status

SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity: LC50 > 500 mg/l (96 h, *Leuciscus idus*)

Bacteria toxicity: ECO > 1,000 mg/l
Method: fermentation tube test

12.2 Persistence and degradability
Biodegradability: 25 – 50%
Method: Zahn-Wellens Test

Behavior in environmental compartments: not determined

Chemical oxygen demand (COD): 224 mg/g

Remarks: The data is based on the toxicological properties of the components of the product.

Product does not add to the AOX-value of the sewage. (DIN EN 1485)
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 does not contain phosphates or organophosphorus compounds.

12.3 Bioaccumulative potential
not determined

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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

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

14.2 Special precautions for user

Avoid heat above +30°C.
In case of bulk-packaging
Keep separated from foodstuffs.
Cold protection below -5°C.

14.3 Transport in bulk according to Annex II of MARPOL73178 and the IBC Code

No transport in bulk according to Annex II of MARPOL 73178 and the IBC code foreseen for this substance or mixture.:

SECTION 15: Regulatory Information

15.1 Safety, healthy and environment regulations/legislation specific for the substance or mixture.

US Regulations

15.2 Chemical Safety assessment

Not determined

SECTION 16: Other information

Text of all shortcuts referred to in sections 2 and 3.

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.