

## Liquid Reactive Sun Yellow LR108 25%

Version 1.41 USA 1 EN Revision Date: 05/26/2015  
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### SECTION 1: Identification of the substance/preparation and company

#### 1.1 Product identifier

Liquid Reactive Sun Yellow LR108 25%

#### 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

No labeling is required in accordance with GHS directives.

Precautionary Statements (Prevention):  
P260 Do not breathe spray.

Precautionary Statements (Response):

Precautionary Statements (Storage):

Precautionary Statements (Disposal):

#### 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

**ØN 2:**

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

**Chemical characterization**

azo reactive dyestuff, 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, CO<sub>2</sub>, 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**

Requirements for storage rooms and vessels: - sensitive to frost -

In case of the product becoming opaque, thickening or being frozen due to the effects of cold, it can at room temperature be slowly allowed to thaw out and after a short stirring time is once again ready for use.

Storage stability: Storage period: 12 Months

### **7.3 Specific end use(s)**

not determined

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Exposure limits**

Ingredients with occupational exposure limits to be monitored

### **8.2 Exposure controls**

General protective measures: Do not breathe vapor/spray. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Inhalation of dust and aerosols must be absolutely prevented by either adequate ventilation or by a suitable mask. People with chronic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders must cease immediately.

Hygiene measures: Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection :	If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.
Hand protection:	Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.
Eye protection:	Safety glasses with side protection shield
Body protection:	Wear protective clothing.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Form:	liquid
Color:	yellow
Odor:	odorless
Boiling temperature:	> 100°C
Flash point:	> 100°C
flammability:	not determined
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Density:	approx. 1.1 g/cm <sup>3</sup> (20 °C) Method: DIN 51757
Solubility/qualitative:	miscible
pH value:	approx.5.5 undiluted
Viscosity (kinematic) :	not determined
Viscosity (flow time) :	not determined

### **9.2 Other information**

Dust explosion class:	not determined
Further information (phys.-chem.)	not necessary

## **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: L050 > 2,000 mg/kg (rat)

Irritant effect on skin: non-irritant (rabbit)

Irritant effect on eyes: non-irritant (rabbit eye)

Sensitization: In the guinea-pig the product did not show a sensitizing effect (OECD 406; GPMT according to MAGNUSSON-KLIGMAN).

Teratogenicity: not necessary

Carcinogenicity: not necessary

### **11.2 Information on toxicological effects**

Primary route of exposure

Inhalation: No

Skin Absorption: No

Ingestion: No

Skin Contact: Yes

Eye Contact: Yes

Effects of overexposure  
Prolonged direct contact with this product may cause eye and skin irritation.

Signs and symptoms of overexposure  
See effects of overexposure

Medical conditions aggravated  
No additional information available

### 11.3 Carcinogen status

IARC: No    NTP:No    OSHA: No    ACGIH: No

## SECTION 12: Ecological information

### 12.1 Toxicity

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

Bacteria toxicity : ECO > 1,000 mg/l (activated sludge micro-organism)

### 12.2 Persistence and degradability

Physico-chemical eliminability: not determined

Biodegradability: < 10%

Method: Iron sulphate precipitation

Biodegradability: < 10%

Method: Batch method

4. Behaviour in environmental compartments: not determined

Remarks: Test results for a higher concentrated 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

### 12.4 Mobility in soil

not determined

### 12.5 Results of PBT and vPvB assessment

not determined

### 12.6 Other adverse effects

not determined

## Disposal considerations

### SECTION 13:

#### 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: 040217 Dyestuffs and pigments other than those mentioned in 040216

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

In case of bulk-packaging  
Keep separated from  
foodstuffs.  
Cold protection below 0°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 MAR POL 73/78 and the IBC code foreseen for this Substance or mixture:

### SECTION 15: Regulatory information

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

##### US Regulations

###### TSCA

The components of this product are listed on the TSCA inventory.

###### Sara 313

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Sara 312

Immediate (acute) health hazard	No
Delayed (chronic) health hazard	No
Fire hazard	No
Sudden Release of Pressure	No
Reactivity	No

**HMIS code: 1 - 1 - 0 - B**

**15.2 Chemical safety assessment  
not determined**

**SECTION 16: Other information**

None of the products you purchase from this company are subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

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.

PRO  
Chemical