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Material Safety Data Sheet Liquid Reactive 517 Brown 40%

Release Date: 2/20/2014

1) Product Identification

Liquid Reactive 517 Brown 40%

Emergency Telephone Numbers:

800-255-3924 ChemTel. (United States)

+ 1 01 813-248-0585 (Outside the United States)

HMIS code: 2 - 0 - 0 - C

2) Hazardous ingredients

Reactive Dyestuffs	Content:
	15 - 25 %

Remarks

May cause sensitization by skin contact.

3) Hazards identification

Primary route of exposure

Inhalation: No

Skin Contact: Yes

Skin Absorption: No

Eye Contact: Yes

Ingestion: No

Carcinogen status

IARC: No

NTP:No

OSHA: No

ACGIH: No

Effects of overexposure

Based on testing done on one or more of the components, this product is a skin sensitizer.,

Found to be a non-irritant when tested on skin and eyes of rabbits. Prolonged direct contact with this product may cause eye and skin irritation. This product belongs to the class of reactive dyestuffs. Occasional cases of respiratory sensitization have been observed by inhalation of certain reactive dyestuffs. Sensitization by this product has not been observed. Nevertheless, avoid inhalation.

Signs and symptoms of overexposure

Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough and irritated eyes to asthmatic symptoms. These effects can lead to shock and cardiovascular collapse and are potentially lethal

Medical conditions aggravated

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

4) First aid measures

General information: Take off immediately all contaminated clothing.

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 contact with skin: Remove all contaminated clothing immediately, cleansing with plenty of water, soap or other non-irritating cleansing agents.

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.

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.

5) Fire-fighting measures

Suitable extinguishing media: water mist, foam, dry powder, CO₂

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.

6) Accidental release measures

Personal precautions: Use the necessary personal protection equipment during any work.

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up with absorbent material and fill into a closable container.

Additional information: For further disposal measures see chapter 13.

7) Handling and storage

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.

Requirements for storage rooms and vessels: Store sealed in original container in a cool place.

Storage stability

Storage period: 6 Months

8) Exposure controls/personal protection

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.

9) Physical and chemical properties

Form: liquid

Color: dark brown

Odor: mild

Boiling temperature: approx. 100 °C

Density: approx. 1.1 g/cm³ (20 °C)

pH value: approx. 4.0 - 6.0 (22°C)
undiluted

% Volatile Value: 0 Unit: % Comment: Contains no VOC components

10) Stability and reactivity

Thermal decomposition: No thermal decomposition when stored and handled correctly.

Hazardous reactions: No hazardous reaction when used as directed.

11) Toxicological information

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.

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

12) Ecological information

Biodegradability: 25-50%
Method: Zahn-Wellens Test

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

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

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.

13) Disposal considerations

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.

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

14) Transport information

D.O.T. Information

CFR	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Other information Keep separated from foodstuffs.

15) Regulatory information

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

Other regulations

Labeling in accordance with the EEC directives:

Hazard symbols: Xi Irritant

R43: May cause sensitization by skin contact.

S23: Do not breathe vapor/spray.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

16) Other information

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

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.