

VITA YZ HT SHADE LIQUID INDICATOR

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 PRODUCT IDENTIFIER

1.1.1 COMMERCIAL PRODUCT NAME VITA YZ HT SHADE LIQUID INDICATOR

1.1.2 ITEM NUMBER EZ0CY8110

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

1.2.1 IDENTIFIED USES Colorant for Colouring liquid VITA YZ HT SHADE LIQUIDS

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

1.3.1 PRODUCER Zirkonzahn GmbH, An der Ahr 7, IT 39030 Gais

1.3.2 SUPPLIER VITA Zahnfabrik
H. Rauter GmbH & Co. KG
Postfach 1338 Tel.: 07761/562-0
D 79704 Bad Säckingen Fax: 07761/562299
E-mail: info@vita-zahnfabrik.com

1.3.3 TOX EMERGENCY NUMBER +49-(0)7761-562-0 (Mon. – Fri. 08 am – 6 pm)

2. POSSIBLE DANGERS

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1 CLASSIFICATION ACCORDING TO REGULATION (EG) NO. 1272/2008 The product is not subject to labelling according to the Dangerous Materials Regulation (GefStoff) and the EU directives.

2.1.2 ADDITIONAL INFORMATION The product falls under the EC Directive 93/42 for medical products. The device is classified and labelled according to GefStoff / GHS guidelines.

2.2 LABEL ELEMENTS

2.2.1 LABELLING ACCORDING TO REGULATION (EC) NO 1272/2008

2.2.1.1 HAZARD PICTOGRAMS Not subject to labelling.

2.2.1.2 SIGNALWORD Not applicable.

2.2.1.3 HAZARD STATEMENTS None.

2.2.1.4 PRECAUTIONARY STATEMENTS None.

2.2.1.5 ADDITIONAL LABELLING None.

2.3 OTHER HAZARDS

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 CHEMICAL CHARACTERIZATION

Inorganic mixture

Designation	Proportion (% weight)	CAS – No.	EC No.	Classification
Polyethylenglykol	<15 %	25322-68-3	203-473-3	No dangerous good

3.2 NOTE

None.

3.3 ADDITIONAL INFORMATION

None.

4. FIRST AID MEASURES

4.1 EYE CONTACT

Immediately flush with plenty of water for 10-15 minutes. Lift eyelid to ensure thorough flush. If irritation persists, consult physician.

4.2 SKIN CONTACT

Wash thoroughly with water and soap. If irritation persists, consult physician.

4.3 INGESTION

Do not induce vomiting under any circumstances. Rinse out mouth thoroughly with water if the person is conscious.

4.4 INHALATION

Remove affected person to fresh air. If irritation persists, consult a physician.

4.5 ADDITIONAL INFORMATION

None.

5. FIRE FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING DEVICES

No special fire fighting measures required. Non-combustible.

5.2 UNSUITABLE EXTINGUISHING DEVICES

Water with full jet.

5.3 ADDITIONAL INFORMATION

Toxic fumes may be released, due to heat during fire. Protective clothing and suitable respiratory protection are required.

6. ACCIDENTAL RELEASE MEASURES

6.1 INDIVIDUAL PROTECTION

Minimize direct contact with skin and eyes and inhalation of fumes through suitable protective measures. Ventilate room sufficiently.

6.2 MEASURES FOR ENVIRONMENTAL PROTECTION

Avoid spilling into drains and waterways. Collect spilled material in the best possible way and store in acid-proof container (Polyethylene...). Dispose of at toxic waste collection point. Do not mix with residual waste.

6.3 MEASURES FOR CLEANING

Use inorganic fluid-absorbing material (diatomaceous earth or universal binder) to pick up. Ventilate room sufficiently.

6.4 ADDITIONAL INFORMATION

None.

7. HANDLING AND STORAGE

7.1 HANDLING	Handling of this product only by trained personnel. Keep out of reach of children.
7.2 INDUSTRIAL HYGIENE	Obey customary hygiene measures. Do not eat, drink or smoke during work.
7.3 STORAGE	Store in a cool place and out of the reach of flammable materials and fireplaces.
7.4 INFORMATION ABOUT STORAGE IN ONE COMMON FACILITY	Do not store together with food.
7.5 FIRE AND EXPLOSION PROTECTION	None
7.6 INDICATION FOR SAFE HANDLING	Protect from heat sources.
7.7 STORAGE CLASS	Storage class 12: Non-combustible substances, which cannot be allocated to any other storage class.
7.8 ADDITIONAL INFORMATION	None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	-
8.1.1 OCCUPATIONAL EXPOSURE LIMITS	The indicated limits are conform with the TRGS900.

Polyethylene glycol (middle molar mass 200 - 400)	TLV value	1g/m ³ E		Source:TRGS900
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8.1.2 BIOLOGICAL LIMIT VALUES	Not specified.
8.2 EXPOSURE CONTROLS	No limit established.
8.3 PERSONAL PROTECTIVE EQUIPMENT	Yes.
8.3.1 RESPIRATORY PROTECTION	Do not inhale fumes. Not required if safety regulations are observed.
8.3.2 HAND PROTECTION	Acid resistant gloves.
8.3.3 EYE PROTECTION	Use protective goggles (eventually with side protection).
8.3.4 OTHER	None.
8.4 FURTHER INFORMATION	None.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 FORM	Liquid.
9.1.2 COLOUR	Not defined.
9.1.3 ODOUR	Odourless.

9.1.4 CHANGES IN PHYSICAL STATE	
9.1.4.1 FREEZING POINT	Not defined.
9.1.4.2 MELTING POINT	4 – 8 °C
9.1.4.3 BOILING POINT	Approx. 100 °C
9.1.5 DENSITY	1 g/cm ³ (20 °C).
9.1.6 SOLUBILITY	Water-soluble.
9.1.7 PH-VALUE	Not defined.
9.1.8 FLASH POINT	Not applicable.
9.1.9 IGNITION POINT	Not applicable.
9.1.10 EXPLOSION LIMITS	Lower: Vol. % Upper: Vol. % Not applicable.
9.1.11 SOLIDS CONTENT/VISCOSITY	Not available.
9.2 PROPERTIES RELEVANT TO THE ELEMENT GROUP	No indications.
9.3 ADDITIONAL INFORMATION	No indications.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY	No indications.
10.2 CHEMICAL STABILITY	No indications.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	Keep away from heat sources, otherwise containers can burst. Avoid contact with chemical products. Corrosive action on metals.
10.4 CONDITIONS TO AVOID	Keep away from heat sources.
10.5 INCOMPATIBLE MATERIALS	No indications.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	No indications.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS	
11.1.1 SKIN	Irritant.
11.1.2 EYES	Irritant.
11.1.3 SENSIBILIZATION	No sensitizing effect known.
11.2 ADDITIONAL TOXICOLOGICAL INFORMATION	For further information on toxicity of the product and the components please contact address.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY	No adverse ecological effects if handled and used according to the relevant regulations.
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12.2 PERSISTENCE AND DEGRADABILITY	No indications.
12.3 BIOACCUMULATIVE POTENTIAL	No indications.
12.4 MOBILITY IN SOIL	No indications.
12.5 RESULTS OF PBT AND VPVB ASSESSMENT	No indications.
12.6 OTHER ADVERSE EFFECTS	No indications.

13. DISPOSAL CONSIDARATIONS

13.1 WASTE TREATMENT METHODS	Transfer to a special incinerator centre in conformity with local and governmental regulations.
13.1.1 EG-WASTE KEY	Not known.
13.2 CONTAINER	Entirely emptied container can be disposed of at collection stations.
13.3 ADDITIONAL INFORMATION	None.

14. TRANSPORT INFORMATION

14.1 TRANSPORT AT LAND (ADR/RIG/GGVSE)	
14.1.1 CLASSIFICATION	-
14.1.2 HAZARD LABEL	-
14.1.3 UN-NO.	-
14.1.4 KEMLER NUMBER	-
14.1.5 PACKING GROUP	-
14.1.6 CLASSIFICATION CODE	-
14.1.7 WARNING SIGN	-
14.1.8 PACKING CODE	-
14.1.9 VOLUME OR MASS	-
14.1.10 CORRECT TECHNICAL TERM	-
14.1.11 LIMITED QUANTITY	-
14.2 TRANSPORT AT SEA (IMDG-CODE/GGVSEE)	
14.2.1 CLASSIFICATION	-
14.2.2 UN-NO	-
14.2.3 PACKING GROUP	-
14.2.4 EMS	-
14.2.5 MARINE POLLUANT	-
14.2.6 ADDITIONAL DANGER	-

14.3 AIR TRANSPORT (ICAO-CODE/GGVSEE)	-
14.3.1 CLASSIFICATION	-
14.3.2 UN-NO:	-
14.3.3 PACKING GROUP	-
14.3.4 SUBSIDIARY RISK	-
14.4 ADDITIONAL INFORMATION	None.

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE	No indications.
15.2 NATIONAL REGULATIONS	Non combustible.
15.2.1 CLASSIFICATION IN ACCORDANCE WITH THE INDUSTRIAL SAFETY REGULATIONS (BETRICHV)	No indications.
15.3 TECHNICAL GUIDELINES AIR	No indications.
15.4 WATER POLLUTION CLASS	Water pollution class 1 (Self assessment): slightly hazardous for water.
15.5 CHEMICAL SAFETY ASSESSMENT	A chemicals safety assessment has not been carried out.

16. OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience. The material safety data sheet serves as description of the products with regards to necessary safety measures. The indications do not have the meaning of guarantees on properties.

ABBREVIATIONS AND ACRONYMS

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

BETRICHV: Betriebssicherheitsverordnung (industrial safety regulations)