

VITA YZ EFFECT LIQUID STABILIZER

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

1.1 PRODUCT IDENTIFIER

1.1.1 COMMERCIAL PRODUCT NAME Vita YZ Effect Liquid Stabilizer

1.1.2 PRODUCT NUMBER EZ0C18350

1.2 RELEVANT IDENTIFIED USES FOR THE SUBSTANCE OR MIXTURE

1.2.1 IDENTIFIED USES Colorant for Colouring liquid VITA YZ SHADE LIQUIDS

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

1.3.1 MANUFACTURER Zirkonzahn srl, Via An der Ahr 7, IT 39030 Gais

1.3.2 SUPPLIER Zirkonzahn srl, Via An der Ahr 7, IT 39030 Gais

1.3.3 TOX EMERGENCY CALL +39 0474 066 660

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 Organic mixture

3.2 HAZARDOUS INGREDIENTS

Designation	Proportion (% weight)	CAS – No.	EEC No.	Classification
Polyethylenglykol	<100 %	25322-68-3	203-473-3	No dangerous good

3.3 NOTE	None.
3.4 FURTHER 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 FURTHER INFORMATION	None.

5. FIRE FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING DEVICES	No special fire fighting measures required. Non-combustile.
5.2 UNSUITABLE EXTINGUISHING DEVICES	Water with full jet.
5.3 FURTHER 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 10: Combustible liquid that cannot be assigned to any other storage class.

7.8 FURTHER 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/m³ 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

Not defined.

9.1.5 DENSITY

Not defined.

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 FURTHER 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.
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 CONSIDERATIONS

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

RELEVANT PHRASES

ABBREVIATIONS AND ACRONYMS

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

AGW: Occupational Exposure Limit (Arbeitsplatzgrenzwert)

PBT/vPvB: Persistent, Bioaccumulative and Toxic/very Persistent and very Bioaccumulative

BGW: Biological Limit Value (Biologischer Grenzwert)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

EWC: European Waste Catalogue

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

IOELV: Indicative Occupational Exposure Limit Value

LD50: Lethal Dose 50.

Department issuing data specification sheet:

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