

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### VITA AKZENT Plus FLUOGLAZE LT SPRAY

Revision date: 21.08.2019

Product code: 327

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

VITA AKZENT Plus FLUOGLAZE LT SPRAY

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### Use of the substance/mixture

Use as laboratory reagent

##### 1.3. Details of the supplier of the safety data sheet

Company name: VITA Zahnfabrik H.Rauter GmbH &amp; Co.KG

Post-office box: 1338  
79704 Bad Säckingen

Telephone: +49(0)7761-562-0

Telefax: +49(0)7761-562-299

e-mail: info@vita-zahnfabrik.com

Internet: www.vita-zahnfabrik.com

##### 1.4. Emergency telephone

+49-(0)761-19240

##### number:

##### Further Information

medical device

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



###### Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

###### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

###### Special labelling of certain mixtures

EUH018 In use may form flammable/explosive vapour-air mixture.

EUH044 Risk of explosion if heated under confinement.

##### 2.3. Other hazards

No information available.

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

##### 3.2. Mixtures

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

###### **After ingestion**

Rinse mouth immediately and drink plenty of water.

##### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

##### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

###### **Unsuitable extinguishing media**

Water.

##### 5.2. Special hazards arising from the substance or mixture

Extremely flammable liquid and vapour. Vapours can form explosive mixtures with air.

##### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

###### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

##### 6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

##### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

###### **Advice on safe handling**

No special measures are necessary.

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#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### Hints on joint storage

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No  | Substance | ppm  | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|---------|-----------|------|-------------------|-----------|-----------|--------|
| 64-17-5 | Ethanol   | 1000 | 1920              |           | TWA (8 h) | WEL    |

#### 8.2. Exposure controls



##### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

|  |                |                |
|--|----------------|----------------|
| Physical state:                          | Aerosol        |                |
| Colour:                                  | whitish        |                |
| Odour:                                   | characteristic |                |
| pH-Value:                                |                | not determined |
| <b>Changes in the physical state</b>     |                |                |
| Melting point:                           |                | not determined |
| Initial boiling point and boiling range: |                | -11 °C         |
| Flash point:                             |                | -60 °C         |

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#### Flammability

Solid: not applicable  
Gas: not applicable

Lower explosion limits: not determined  
Upper explosion limits: not determined

#### Auto-ignition temperature

Solid: not applicable  
Gas: not applicable

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidising.

Vapour pressure: <=1100 hPa  
(at 50 °C)

Density: 0,64000 g/cm<sup>3</sup>

Water solubility: No

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

#### 9.2. Other information

Solid content: 0,0 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Extremely flammable liquid and vapour.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

### SECTION 12: Ecological information

#### 12.1. Toxicity

The product is not: Ecotoxic.

#### 12.2. Persistence and degradability

The product has not been tested.

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#### 12.3. Bioaccumulative potential

The product has not been tested.

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

#### 12.6. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|  |                          |
|--|--------------------------|
| <u>14.1. UN number:</u>                  | UN 1950                  |
| <u>14.2. UN proper shipping name:</u>    | UN1950 DRUCKGASPACKUNGEN |
| <u>14.3. Transport hazard class(es):</u> | 2                        |
| <u>14.4. Packing group:</u>              | -                        |
| Hazard label:                            | 2.1                      |



|                          |    |
|--------------------------|----|
| Classification code:     | 5F |
| Limited quantity:        | 1L |
| Transport category:      | 2  |
| Hazard No:               | -  |
| Tunnel restriction code: | D  |

#### Other applicable information (land transport)

E0

#### Inland waterways transport (ADN)

|  |                          |
|--|--------------------------|
| <u>14.1. UN number:</u>                  | UN 1950                  |
| <u>14.2. UN proper shipping name:</u>    | UN1950 DRUCKGASPACKUNGEN |
| <u>14.3. Transport hazard class(es):</u> | 2                        |
| <u>14.4. Packing group:</u>              | -                        |
| Hazard label:                            | 2.1                      |



|                      |    |
|----------------------|----|
| Classification code: | 5F |
|----------------------|----|

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Limited quantity: 1L

#### Other applicable information (inland waterways transport)

E0

#### Marine transport (IMDG)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Marine pollutant: Nein  
 EmS: F-D,S-U

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** Aerosols, flammable  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Warning: Flammable gases.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: ethanol; ethyl alcohol

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Abbreviations and acronyms

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

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IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification       | Classification procedure |
|----------------------|--------------------------|
| Aerosol 1; H222-H229 | On basis of test data    |

#### Relevant H and EUH statements (number and full text)

H222 Extremely flammable aerosol.  
 H229 Pressurised container: May burst if heated.  
 EUH018 In use may form flammable/explosive vapour-air mixture.  
 EUH044 Risk of explosion if heated under confinement.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*