

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

070411165

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

070351759 071141357 071141365 071141373 071141381 071141399 071141415 071141423 071141431 071141449

071141456 273001474

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA AKZENT Plus Glaze SPRAY, Plus Glaze LT Spray

Revision date: 23.02.2018

Product code: 272-US

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## 1. Identification

### Product identifier

VITA AKZENT Plus Glaze SPRAY, Plus Glaze LT Spray

### Further trade names

VITA AKZENT Plus FLUOGLAZE LT SPRAY

### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Use as laboratory reagent

### 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

**Emergency phone number:** +49-(0)761-19240

### Further Information

medical device

## 2. Hazard(s) identification

### Classification of the chemical

#### **29 CFR Part 1910.1200**

Gases under pressure: Compressed gas

### Label elements

#### **29 CFR Part 1910.1200**

**Signal word:** Danger**Pictograms:**

### Hazard statements

Extremely flammable aerosol

Contains gas under pressure; may explode if heated

### Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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

Pressurized container: Do not pierce or burn, even after use.

Protect from sunlight. Store in a well-ventilated place.

Do not expose to temperatures exceeding 50 °C/122 °F.

### Hazards not otherwise classified

No information available.

## 3. Composition/information on ingredients

### Mixtures

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#### Hazardous components

CAS No	Components	Quantity
75-28-5	isobutane	75 %
64-17-5	ethanol, ethyl alcohol	6 %

#### 4. First-aid measures

##### 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.

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

No information available.

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

Treat symptomatically.

#### 5. Fire-fighting measures

##### Extinguishing media

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

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

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

Water.

##### Specific hazards arising from the chemical

Extremely flammable aerosol. Flammable. Vapors may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

##### Special protective equipment and precautions for fire-fighters

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

##### Additional information

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

#### 6. Accidental release measures

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

Remove all sources of ignition.

##### Environmental precautions

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

##### 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.

##### Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

#### 7. Handling and storage

##### Precautions for safe handling

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#### Advice on safe handling

Do not pierce or burn, even after use.

#### Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapors may form explosive mixtures with air.

#### 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.

##### Advice on storage compatibility

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

### 8. Exposure controls/personal protection

#### Control parameters

#### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
64-17-5	Ethyl alcohol (Ethanol)	1000	1900		TWA (8 h)	PEL
64-17-5	Ethyl alcohol	1000	1900		TWA (8 h)	REL
75-28-5	Isobutane	800	1900		TWA (8 h)	REL

#### 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

Recommended glove articles KCL Dermatril PNBR (Nitrile rubber) 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

Wear suitable protective clothing.

#### Respiratory protection

Provide adequate ventilation.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	Aerosol
Color:	whitish
Odor:	characteristic
pH-Value:	not determined

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#### Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	-11 °C
Flash point:	-60 °C

#### Flammability

Solid:	not applicable
Gas:	not applicable
Lower explosion limits:	1,8 vol. %
Upper explosion limits:	8,5 vol. %

#### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined

#### Oxidizing properties

Not oxidising.	
Vapor pressure: (at 50 °C)	<=1100 hPa
Density:	0,64000 g/cm <sup>3</sup>
Water solubility:	No

#### Solubility in other solvents

not determined	
Partition coefficient:	not determined
Vapor density:	not determined
Evaporation rate:	not determined

#### Other information

Solid content:	0,0 %
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## 10. Stability and reactivity

#### Reactivity

Extremely flammable aerosol. Explosive.

#### Chemical stability

The product is stable under storage at normal ambient temperatures.

#### Possibility of hazardous reactions

No known hazardous reactions.

#### Conditions to avoid

Danger of explosion. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapors may form explosive mixtures with air. Risk of explosion by shock, friction, fire or other sources of ignition. Remove all sources of ignition. Keep away from heat. Ignition hazard.

#### Incompatible materials

Protect against: Contact with air/oxygen.

#### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

#### Information on toxicological effects

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#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 6200 mg/kg	Rat	IUCLID	
	inhalative (4 h) vapour	LC50 95,6 mg/l	Rat	RTECS	

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitizing effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA):

No ingredient of this mixture is listed.

Carcinogenicity (IARC):

Ethanol in alcoholic beverages (CAS 64-17-5) is listed in group 1.

Carcinogenicity (NTP):

No ingredient of this mixture is listed.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

## 12. Ecological information

#### Ecotoxicity

The product is not: Ecotoxic.

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

The product has not been tested.

#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

## 13. Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation. Waste requires monitoring. Handle contaminated packages in the same way as the substance itself.

##### Contaminated packaging

Completely emptied packages can be recycled.

## 14. Transport information

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#### Marine transport (IMDG)

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



Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

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

**UN number:** UN 1950  
**UN proper shipping name:** AEROSOLS, flammable  
**Transport hazard class(es):** 2.1  
**Packing group:** -  
 Hazard label: 2.1



Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### Special precautions for user

Warning: Flammable gases.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### 15. Regulatory information

#### U.S. Regulations

##### National regulatory information

SARA Section 311/312 Hazards:

Isobutane (75-28-5): Fire hazard  
 ethanol, ethyl alcohol (64-17-5): Fire hazard

Clean Air Act Section 112(r):

Isobutane (75-28-5): Threshold quantities = 10,000 lbs.

##### State Regulations

##### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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#### 16. Other information

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Revision No: 2

##### 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)

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%

##### Other data

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.)*