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 & Co.KG
Post-office box: 1338
79704 Bad Säckingen

Telephone: +49(0)7761-562-0
Fax: +49(0)7761-562-299
E-mail: info@vita-zahnfabrik.com
Internet: www.vita-zahnfabrik.com

1.4. Emergency telephone number:

+49-(0)761-19240

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.
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 (CO2), 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.
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

Occupational exposure limits

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fib/cm³</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-28-5</td>
<td>Butane, all isomers - Isobutane</td>
<td>1000</td>
<td>-</td>
<td>-</td>
<td>STEL (15 min)</td>
<td></td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethanol</td>
<td>1000</td>
<td>-</td>
<td>-</td>
<td>STEL (15 min)</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Aerosol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>whitish</td>
</tr>
<tr>
<td>Odour:</td>
<td>characteristic</td>
</tr>
<tr>
<td>pH-Value:</td>
<td>not determined</td>
</tr>
</tbody>
</table>

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: -11 °C
Flash point: \(-60^\circ C\)

**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 determined

**Decomposition temperature:** not determined

**Oxidizing properties**
- Not oxidising.

**Vapour pressure:** \(\leq 1100\) hPa
(at 50 °C)

**Density:** 0,64000 g/cm³

**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.

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)

14.1. UN number: UN 1950
14.2. UN proper shipping name: UN1950 DRUCKGASPACKUNGEN
14.3. Transport hazard class(es): 2
14.4. Packing group: -
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)

14.1. UN number: UN 1950
14.2. UN proper shipping name: UN1950 DRUCKGASPACKUNGEN
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1
Classification code: 5F
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
  - Entry 28: isobutane

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)
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]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosol 1; H222-H229</td>
<td>On basis of test data</td>
</tr>
</tbody>
</table>

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.)