

*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006*

**GLYCERINE VEG KLK C99V K**

Version 1.0

Print Date 2018/09/04

Revision date / valid from 2018/09/04

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

**1.1. Product identifier**

Trade name : GLYCERINE VEG KLK C99V K  
Substance name : Glycerol  
CAS-No. : 56-81-5  
EC-No. : 200-289-5  
REACH Status : Substance is exempted from registration obligations according to Article 2 (7) (b) (Annex V.9) of the Regulation (EC) No 1907/2006

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

Use of the Substance/Mixture : Food additive, Cosmetic additive  
Uses advised against : At this moment we have not identified any uses advised against

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

Company : Stansfield's Fragrance Oils  
Unit 14A Ipark Industrial Estate  
Innovation Drive, Hull  
Telephone : 01482 447272  
E-mail address : info@stansfields.shop

**1.4. Emergency telephone number**

Emergency telephone number : Emergency only telephone number (open 24 hours): +447921236290

**SECTION 2: Hazards identification**

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

**Classification according to Regulation (EC) No 1272/2008**

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

**Most important adverse effects**

Human Health : See section 11 for toxicological information.

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Physical and chemical hazards : See section 9/10 for physicochemical information.  
Potential environmental effects : See section 12 for environmental information.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

### 2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice : No special precautions required.  
If inhaled : Remove to fresh air. If symptoms persist, call a physician.  
In case of skin contact : Wash off with soap and water. If skin irritation persists, call a physician.  
In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.  
If swallowed : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

Symptoms : See Section 11 for more detailed information on health effects and symptoms.  
Effects : Health injuries are not known or expected under normal use.

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See Section 11 for more detailed information on health effects and symptoms.

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

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Unsuitable extinguishing media : High volume water jet

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

Specific hazards during firefighting : Incomplete combustion may form toxic pyrolysis products.  
Hazardous combustion products : Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Choose protective equipment according to size of fire.  
Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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

Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.  
: Use mechanical handling equipment. Keep in suitable, closed containers for disposal.  
Further information : Treat recovered material as described in the section "Disposal considerations".

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### 6.4. Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on personal protective equipment.  
See Section 13 for waste treatment information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

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

Requirements for storage areas and containers : Store in original container.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Further information on storage conditions : Keep tightly closed in a dry and cool place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Specific use(s) : No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other Occupational Exposure Limit Values

(Additional) Information : Contains no substances with occupational exposure limit values.  
Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### Appropriate engineering controls

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Refer to protective measures listed in sections 7 and 8.

### Personal protective equipment

#### *Respiratory protection*

Advice : Required, if exposure limit is exceeded (e.g. OEL).  
Respiratory protection complying with EN 141.

#### *Hand protection*

Advice : Protective gloves complying with EN 374.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Protective gloves should be replaced at first signs of wear.

#### *Eye protection*

Advice : Safety goggles

#### *Skin and body protection*

Advice : Protective work clothing

### Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

## SECTION 9: Physical and chemical properties

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

|                              |   |                       |
|------------------------------|---|-----------------------|
| Form                         | : | viscous               |
| Colour                       | : | colourless            |
| Odour                        | : | characteristic        |
| Odour Threshold              | : | not determined        |
| pH                           | : | not determined        |
| Melting point/freezing point | : | ca. 18 °C             |
| Boiling point/boiling range  | : | ca. 290 °C            |
| Flash point                  | : | ca. 177 °C (open cup) |

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|  |                                      |
|--|--------------------------------------|
| Evaporation rate                       | : no data available                  |
| Flammability (solid, gas)              | : no data available                  |
| Upper explosion limit                  | : (400 °C) not determined            |
| Lower explosion limit                  | : (400 °C) not determined            |
| Vapour pressure                        | : < 0.01 hPa                         |
| Relative vapour density                | : not determined                     |
| Relative density                       | : Not determined.                    |
| Density                                | : ca. 1.26 g/cm <sup>3</sup> (20 °C) |
| Water solubility                       | : completely miscible                |
| Partition coefficient: n-octanol/water | : log Kow -1.76                      |
| Auto-ignition temperature              | : not determined                     |
| Thermal decomposition                  | : no data available                  |
| Viscosity, dynamic                     | : Not applicable                     |
| Viscosity, kinematic                   | : not determined                     |
| Explosivity                            | : Not applicable                     |
| Oxidizing properties                   | : no data available                  |

### 9.2. Other information

|                   |                  |
|-------------------|------------------|
| Sublimation point | : Not applicable |
|-------------------|------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|        |   |
|--------|---|
| Advice | : No decomposition if stored and applied as directed. |
|--------|---|

### 10.2. Chemical stability

|        |  |
|--------|--|
| Advice | : Stable under recommended storage conditions. |
|--------|--|

### 10.3. Possibility of hazardous reactions

|                     |                             |
|---------------------|-----------------------------|
| Hazardous reactions | : No information available. |
|---------------------|-----------------------------|

### 10.4. Conditions to avoid

|                       |                     |
|-----------------------|---------------------|
| Thermal decomposition | : no data available |
|-----------------------|---------------------|

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### 10.5. Incompatible materials

Materials to avoid : No information available.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : No information available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| Component:            | Glycerol | CAS-No. 56-81-5        |
|-----------------------|----------|------------------------|
| <b>Acute toxicity</b> |          |                        |
| <b>Oral</b>           |          |                        |
| LD50                  | :        | 12600 mg/kg (Rat)      |
| <b>Dermal</b>         |          |                        |
| LD50                  | :        | > 18700 mg/kg (Rabbit) |

## SECTION 12: Ecological information

### 12.1. Toxicity

| Component:   | Glycerol | CAS-No. 56-81-5                             |
|--|----------|---|
| <b>Acute toxicity</b>                                      |          |   |
| <b>Fish</b>  |          |   |
| LC50   | :        | > 10000 mg/l (Leuciscus idus (Golden orfe)) |
| <b>Toxicity to daphnia and other aquatic invertebrates</b> |          |   |
| LC50   | :        | > 10000 mg/l (Daphnia magna)                |
| <b>Bacteria</b>  |          |   |
| EC50   | :        | > 10000 mg/l (Pseudomonas putida; 16 h)     |

### 12.2. Persistence and degradability

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|                   |                 |                        |
|-------------------|-----------------|------------------------|
| <b>Component:</b> | <b>Glycerol</b> | <b>CAS-No. 56-81-5</b> |
|-------------------|-----------------|------------------------|

### Persistence and degradability

#### Biodegradability

Result : Readily biodegradable.

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

#### Data for the product

#### Results of PBT and vPvB assessment

Result : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6. Other adverse effects

#### Data for the product

#### Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

|                   |                 |                        |
|-------------------|-----------------|------------------------|
| <b>Component:</b> | <b>Glycerol</b> | <b>CAS-No. 56-81-5</b> |
|-------------------|-----------------|------------------------|

#### Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates



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the assignment. The waste code is established in consultation with the regional waste disposer.

### SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 14.4. Packaging group

Not applicable.

#### 14.5. Environmental hazards

Not applicable.

#### 14.6. Special precautions for user

Not applicable.

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

IMDG : Not applicable.

### SECTION 15: Regulatory information

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

| Component: | Glycerol | CAS-No. 56-81-5 |
|------------|----------|-----------------|
|------------|----------|-----------------|

EU. Regulation No : EC Number: , 200-289-5; Listed  
1451/2007 [Biocides],  
Annex I, OJ (L 325)

EU. Directive : ; The substance/mixture does not fall under this legislation.  
2012/18/EU (SEVESO  
III) Annex I

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WGK (DE) : WGK 1: slightly hazardous to water: 116

### 15.2. Chemical safety assessment

no data available

## SECTION 16: Other information

### Abbreviations and Acronyms

|               |   |
|---------------|---|
| <b>BCF</b>    | bioconcentration factor   |
| <b>BOD</b>    | biochemical oxygen demand   |
| <b>CAS</b>    | Chemical Abstracts Service  |
| <b>CLP</b>    | Classification, Labelling and Packaging   |
| <b>CMR</b>    | carcinogenic, mutagenic or toxic to reproduction  |
| <b>COD</b>    | chemical oxygen demand  |
| <b>DNEL</b>   | derived no-effect level   |
| <b>EINECS</b> | European Inventory of Existing Commercial Chemical Substances                                   |
| <b>ELINCS</b> | European List of Notified Chemical Substances   |
| <b>GHS</b>    | Globally Harmonized System of Classification and Labelling of Chemicals                         |
| <b>LC50</b>   | median lethal concentration   |
| <b>LOAEC</b>  | lowest observed adverse effect concentration  |
| <b>LOAEL</b>  | lowest observed adverse effect level  |
| <b>LOEL</b>   | lowest observed effect level  |
| <b>NLP</b>    | no-longer polymer   |
| <b>NOAEC</b>  | no observed adverse effect concentration  |
| <b>NOAEL</b>  | no observed adverse effect level  |
| <b>NOEC</b>   | no observed effect concentration  |
| <b>NOEL</b>   | no observed effect level  |
| <b>OECD</b>   | Organisation for Economic Cooperation and Development   |
| <b>OEL</b>    | occupational exposure limit   |
| <b>PBT</b>    | persistent, bioaccumulative and toxic   |
| <b>PNEC</b>   | predicted no-effect concentration   |
| <b>STOT</b>   | specific target organ toxicity  |
| <b>SVHC</b>   | substance of very high concern  |
| <b>UVCB</b>   | substance of unknown or variable composition, complex reaction products or biological materials |
| <b>vPvB</b>   | very persistent and very bioaccumulative  |

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**REACH Auth. No.:** REACH Authorisation Number  
**REACH AppC. No.:** REACH Application Consultation Number  
**Further information**

Key literature references and sources for data : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.  
The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.