

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : SalvoHexSpray

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Teat disinfection

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

GEA Farm Technologies GmbH  
Siemensstraße 25-27  
59199 Bönen - Germany  
T + 49 (0) 23839370

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

##### Distributor

GEA Farm Technologies (UK) Ltd.  
Wylve Works, Watery Lane, Bishopstrow,  
Warminster, Wiltshire BA12 9HT - United Kingdom  
T + 44 (0)1985 216444

#### 1.4. Emergency telephone number

Emergency number : 24 Hour Emergency Telephone No. for advice on chemical emergencies, spillages, fires or  
First Aid: +44 (0) 870 1906777 (GEA Farm Technologies)  
NATIONAL: In England and Wales: 111, In Scotland: 111  
INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Aqueous solution

| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]             |
|--|---|---------|---|
| glycerine<br>substance with national workplace exposure limit(s)<br>(GB) | (CAS-No.) 56-81-5<br>(EC-No.) 200-289-5<br>(REACH-no) 01-2119471987-18    | 10 - 15 | Not classified  |
| Lactic acid  | (CAS-No.) 79-33-4<br>(EC-No.) 201-196-2<br>(REACH-no) 01-2119474164-39    | 1 - 5   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                                     |
| Chlorhexidine gluconate  | (CAS-No.) 18472-51-0<br>(EC-No.) 242-354-0<br>(REACH-no) 01-2119946568-22 | < 0.5   | Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Remove and wash contaminated clothing before re-use.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.  |
| First-aid measures after skin contact | : Get medical advice if skin irritation persists. Wash with water and soap as a precaution.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.                                |

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

|                                    |   |
|------------------------------------|---|
| Symptoms/effects after eye contact | : Causes serious eye irritation.  |
| Symptoms/effects after ingestion   | : Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. |

### 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   | : Fire-extinguishing activities according to surrounding. Product itself does not burn. |
| Unsuitable extinguishing media | : high volume water jet.  |

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Cool adjacent tanks / containers / drums with water jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                                   |

## SECTION 6: Accidental release measures

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

|                  |  |
|------------------|--|
| General measures | : Use water spray to disperse the vapours. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. |
|----------------------|--|

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |   |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool.

Incompatible materials : Bases.

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

See Heading 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| glycerine (56-81-5) |                               |  |
|---------------------|-------------------------------|--|
| United Kingdom      | Local name                    | Glycerol                               |
| United Kingdom      | WEL TWA (mg/m <sup>3</sup> )  | 10 mg/m <sup>3</sup> mist              |
| United Kingdom      | WEL STEL (mg/m <sup>3</sup> ) | 30 mg/m <sup>3</sup> (calculated-mist) |
| United Kingdom      | Regulatory reference          | EH40. HSE                              |

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

| Type                                   | Material       | Permeation        | Thickness (mm) | Penetration | Standard |
|--|----------------|-------------------|----------------|-------------|----------|
| Chemically resistant protective gloves | Natural rubber | 5 (> 240 minutes) | 0,6            |             |          |

#### Eye protection:

Safety glasses. EN 166. Eyewash bottle with clean water. EN 15154

#### Skin and body protection:

Long sleeved protective clothing

#### Respiratory protection:

No personal breathing protective equipment is normally required

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Wash hands before breaks and at the end of workday. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Colour : Blue

Odour : odourless

Odour threshold : No data available

pH : 2.5 (20°C)

|  |   |
|--|---|
| Relative evaporation rate (butylacetate=1) | : No data available                     |
| Melting point                              | : No data available                     |
| Freezing point                             | : No data available                     |
| Boiling point                              | : $\approx 100\text{ }^{\circ}\text{C}$ |
| Flash point                                | : No data available                     |
| Auto-ignition temperature                  | : No data available                     |
| Decomposition temperature                  | : No data available                     |
| Flammability (solid, gas)                  | : Not applicable                        |
| Vapour pressure                            | : No data available                     |
| Relative vapour density at 20 °C           | : No data available                     |
| Relative density                           | : No data available                     |
| Density                                    | : 1.025 g/cm <sup>3</sup> (25°C)        |
| Solubility                                 | : Water: completely miscible            |
| Log Pow                                    | : No data available                     |
| Viscosity, kinematic                       | : No data available                     |
| Viscosity, dynamic                         | : No data available                     |
| Explosive properties                       | : No data available                     |
| Oxidising properties                       | : No data available                     |
| Explosive limits                           | : No data available                     |

### 9.2. Other information

VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Exothermic reaction on contact with : Bases.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### glycerine (56-81-5)

|   |  |
|---|--|
| LD50 oral rat                             | 12600 mg/kg                                  |
| LD50 oral                                 | 25000 mg/kg bodyweight                       |
| LD50 dermal rabbit                        | > 10 g/kg                                    |
| LD50 dermal                               | > 18700 mg/kg bodyweight                     |
| LC50 inhalation rat (mg/l)                | > 570 mg/m <sup>3</sup> (Exposure time: 1 h) |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 50100 mg/l                                   |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Not classified<br>pH: 2.5 (20°C)                 |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: 2.5 (20°C) |
| Respiratory or skin sensitisation | : Not classified                                   |
| Germ cell mutagenicity            | : Not classified                                   |

|                        |                  |
|------------------------|------------------|
| Carcinogenicity        | : Not classified |
| Reproductive toxicity  | : Not classified |
| STOT-single exposure   | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard      | : Not classified |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                          |  |
|--------------------------|--|
| Ecology - general        | : Harmful to aquatic life with long lasting effects. |
| Acute aquatic toxicity   | : Not classified                                     |
| Chronic aquatic toxicity | : Harmful to aquatic life with long lasting effects. |

#### glycerine (56-81-5)

|                                |  |
|--------------------------------|--|
| LC50 fish 1                    | 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 other aquatic organisms 1 | > 10000 mg/l waterflea   |
| EC50 other aquatic organisms 2 | > 10000 mg/l   |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

#### glycerine (56-81-5)

|            |                      |
|------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |
| Log Pow    | -1.76                |

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |  |
|--|--|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Product/Packaging disposal recommendations | : Should not be disposed of with household waste. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product. |
| Additional information                     | : Recommended cleaning agent: Water with detergents.   |
| European List of Waste (LoW) code          | : 02 01 08* - agrochemical waste containing dangerous substances   |

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content

: 0 %

Seveso Additional information

: Not subject to the Seveso III Directive

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

All chapters have been modified since the previous version.

### Abbreviations and acronyms:

|          |   |
|----------|---|
| ADR      | European Agreement concerning the International Carriage of Dangerous Goods by Road                 |
| ADN      | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways     |
| IATA     | International Air Transport Association   |
| IMDG     | International Maritime Dangerous Goods  |
| RID      | Regulations concerning the International Carriage of Dangerous Goods by Rail                        |
| DOT      | Department of Transport   |
| TDG      | Transportation of Dangerous Goods   |
| REACH    | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006   |
| GHS      | Globally Harmonized System of Classification, Labelling and Packaging of Chemicals                  |
| IARC     | International Agency for Research on Cancer   |
| vPvB     | Very Persistent and Very Bioaccumulative  |
| PBT      | Persistent Bioaccumulative Toxic  |
| PNEC     | Predicted No-Effect Concentration   |
| CAS      | CAS (Chemical Abstracts Service) number   |
| IBC-Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ATE      | Acute Toxicity Estimate   |

|              |   |
|--------------|---|
| CLP          | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008       |
| BCF          | Bioconcentration factor   |
| MARPOL 73/78 | MARPOL 73/78: International Convention for the Prevention of Pollution From Ships |
| ADG          | Transport of Australian Dangerous Goods   |

|                   |   |
|-------------------|---|
| Data sources      | : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.   |
| Other information | : Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations. |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| H315                                | Causes skin irritation.   |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.                                    |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| H412                                | Harmful to aquatic life with long lasting effects.                |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Eye Irrit. 2  | H319 | Calculation method |
| Aquatic Chronic 3   | H412 | Calculation method |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*