

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product Name:** Kleenso Germs Killer Disinfectant  
**Product Type:** Germs Killer  
**Manufacturer / Supplier:** Kleenso Resources Sdn Bhd.  
**Street Address:** No 37 & 39, Jalan Industri USJ 1/11,  
Taman Perindustrian USJ 1,  
47600 Subang Jaya, Selangor.  
**Emergency Contact:** (Office Hours) 03-8023 1668

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 GHS CLASSIFICATION**

- **PHYSICAL HAZARDS:**  
Not classified
- **HEALTH HAZARDS:**  
Serious eye damage/eye irritation, Category 2, H319 (Eye Irrit. 2)

**2.2 LABEL ELEMENTS**

- **PICTOGRAMS**



- **SIGNAL WORD**  
**WARNING**
- **HAZARD STATEMENTS**  
H319 Causes serious eye irritation

- PRECAUTIONARY STATEMENT – PREVENTION  
P264 Wash hands thoroughly after handling.
  
- PRECAUTIONARY STATEMENT – RESPONSE  
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.  
P362+P364 Take off contaminated clothing and wash it before reuse.
  
- PRECAUTIONARY STATEMENT – STORAGE  
Not Applicable
  
- PRECAUTIONARY STATEMENT – DISPOSAL  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 OTHER HAZARDS  
No data available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES  
Not applicable.

3.2 MIXTURES  
Description of the mixture: Mixture of surfactants and antimicrobial.  
Hazardous ingredients:

Name	CAS NO	%
Benzakonium Chloride	63449-41-2	0.3
Genamino		3.0
Aqua		96.7

### SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES  
*General notes*

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

*Following inhalation*

- In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
- If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.
- If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

*Following eye contact*

- Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
- Remove contact lens if present and easy to do.
- If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### *Following skin contact*

- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
- Watch out for any remaining product between skin and clothing, watches, shoes, etc.
- In the event of an allergic reaction, seek medical attention.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

#### *Following ingestion*

- Do not give the patient anything orally.
- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
- Seek medical attention immediately, showing the label.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available.

### SECTION 5: FIREFIGHTING MEASURES

#### NON-FLAMMABLE

##### 5.1 EXTINGUISHING MEDIA

In the event of fire, use specifically suitable extinguishing agents. Do not use water.

#### *Suitable extinguishing media:*

Dry chemical agents, foam, carbon dioxide (CO<sub>2</sub>).

#### *Unsuitable extinguishing media:*

Water jet.

##### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
- Do not breathe in smoke.
- In the event of a fire, the following may be formed: - carbon monoxide (CO) - carbon dioxide (CO<sub>2</sub>)

##### 5.3 ADVISE FOR FIREFIGHTERS

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Consult the safety measures listed under Section 7 and 8.

#### *For non-emergency personnel*

- Avoid any contact with the skin and eyes.
- If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators

equipped with safety apparatus.

*For emergency responder*

- Fire-fighters will be equipped with suitable personal protective equipment (See Section 8).

### 6.2 ENVIRONMENTAL PRECAUTIONS

- Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, and diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

*For containment*

Cover the drains with absorbent materials.

*For cleaning up*

Use absorbent material to absorb excess spills, flush surface with potable water.

*Other information*

Do not attempt to walk on spill area, as material renders floor slippery.

### 6.4 REFERENCE TO OTHER SECTIONS

Refer to Section 8 and 13 for more information.

## **SECTION 7: HANDLING AND STORAGE**

- Requirements relating to storage premises apply to all facilities where the mixture is handled.
- Individuals with a history of skin sensitization should not handle this mixture unprotected.

### 7.1 PRECAUTIONS FOR SAFE HANDLING

- Always wash hands after handling.
- Remove and wash contaminated clothing before re-using.

*Protective measures*

- Measures to prevent fire  
Not applicable.
- Measures to prevent aerosol and dust generation  
Not applicable.
- Measures to protect the environment  
Avoid spillage. Keep away from drains.

*Advice on general occupational hygiene*

- Do not eat, drink and smoke in work area.
- Wash hands after handling.
- Remove contaminated clothing and protective equipment before entering eating area.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDE ANY INCOMPATIBILITIES

*Technical measures and storage conditions*

- Store between 10°C and 25°C in a dry, well ventilated place.
- Keep the container tightly closed in a dry, well-ventilated place.

*Packaging materials*

- Always keep in packaging made of an identical material to the original.

*Requirement for storage rooms and vessels*

- No data available

*Storage class*

- No data available

*Further information on storage conditions*

- No data available

### 7.3 SPECIFIC END USE(S)

*Recommendations*

- General hand washing, Food handlers hand washing

*Industrial sector specific solutions*

- Food processing industries
- Restaurant
- Food and beverage outlets
- Pantries, cafeterias and canteens
- Hotels
- Clubhouses

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

*Occupational Exposure Limit Values*

### 8.2 EXPOSURE CONTROLS

#### 8.2.1 Appropriate Emergency Controls

No data available.

#### 8.2.2 Personal Protection Equipment

##### 8.2.2.1 *Eye and Face Protection*

- No special protection necessary.

##### 8.2.2.2 *Skin Protection*

- (i) Hand protection
  - Not applicable
- (ii) Other skin protection
  - Not applicable

##### 8.2.2.3 *Respiratory Protection*

- Avoid breathing vapours.

##### 8.2.2.4 *Thermal Hazards*

- Not applicable

#### 8.2.3 Environmental Exposure Controls

Not applicable.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	White Opaque Liquid
Colour:	Transparent
Odour:	Mild Phenol Characteristics
Solubility in water:	Soluble
Viscosity value:	Not Determine
Boiling point:	>100oC (at 1hPa)
Flash Point°C:	>100oC (closed up)
Relative density:	Not Applicable
pH:	7 -8 in use
Danger of Explosion:	Product is not explosive
Storage:	2 years

**SECTION 10: STABILITY AND REACTIVITY**

10.1 REACTIVITY

Non-reactive.

10.2 CHEMICAL STABILITY

No hazardous reaction when handled and stored according to provisions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Non-reactive.

10.4 CONDITIONS TO AVOID

Avoid: Extreme heat, extreme cold, direct exposure to sunlight, exposure to UV.

10.5 INCOMPATIBLE MATERIALS

Acids, peroxides, reducing/oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Does not decompose when used for intended uses.

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS (MIXTURE)

- Acute Toxicity  
ATE<sub>mix</sub> (oral) = >5000 mg/kg  
ATE<sub>mix</sub> (dermal) = Not determined  
ATE<sub>mix</sub> (inhal.) = Not determined
- Skin Corrosion/Irritation  
No data available
- Serious eye damage/Irritation  
The mixture is classified in Category 2

- Respiratory or skin sensitization  
SCL: Category 1: 1% (General Limit)  
This mixture is not skin sensitizing. It can nevertheless cause allergies in sensitive people.
- Germ cell mutagenicity  
No data available.
- Carcinogenicity  
No data available.
- Reproductive toxicity  
No data available.
- STOT – single exposure  
Will not cause adverse effect on single exposure.
- STOT – repeated exposure  
Will not cause adverse effect on repeated exposure.
- Aspiration hazard  
No data available.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 TOXICITY

Substances

- Not applicable.

Mixture

- Does not cause adverse effects on aquatic, micro and macro organisms.

#### 12.2 PERSISTENCE AND DEGRADABILITY

Readily biodegradable.

#### 12.3 BIOACCUMULATIVE POTENTIAL

Will not occur.

#### 12.4 MOBILITY IN SOIL

Will not occur.

#### 12.5 RESULTS OF PBT and vPvB ASSESSMENT

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 OTHER ADVERSE EFFECTS

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 WASTE TREATMENT METHODS

Disposal of Waste

- Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

- Do not reuse container.

**SECTION 14: TRANSPORT INFORMATION**

14.1 PROPER SHIPPING NAME

Not classified as dangerous goods.

**SECTION 15: REGULATORY INFORMATION**

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

- No data available

15.2 Chemical Safety Assessment

- No data available

**SECTION 16: OTHER INFORMATION**

16.1 Indication of changes

- SDS Revision Date: 04 Jan 2019

16.2 Relevant R-phrases and/or H-statements (number and full text)

- Skin Irrit. 2      Skin corrosion or irritation category 2
- Eye Irrit. 2      Serious eye damage or eye irritation category 2
- Acute Tox. 4      Acute toxicity (oral) category 4
- Skin Sens. 1      Skin sensitization category 1
- H302              Harmful if swallowed
- H315              Causes skin irritation
- H317              May cause an allergic skin reaction
- H319              Causes serious eye irritation

16.3 Disclaimer

The information contained herein is based on the present state of our knowledge and does not guarantee certain properties. Recipients of this product must take responsibility for observing existing laws and regulations.

**--- END OF SDS ---**