

## Product Safety Data Sheet | Cleaning Indicators

Date of issue: 17/08/2017

Revision date: 30/10/2019

Version: 2

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Identifier

Product form: mixture.

Trade name: Chemink® IKWA4.

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

##### 1.2.1. Relevant identified uses of the substance or mixture:

Ink designed for efficiency test in thermal-disinfectors washing machines.

##### 1.2.2. Uses advised against:

Do not use for purposes other than stated in the indications for use.

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

**Manufacturer:** Terragene S.A.

**Address:** Ruta Nacional N° 9, Km 280 - CP 2130 - Parque Industrial Micropi - Alvear - Santa Fe - Argentina

**Produced by:** QA&RA Department

**Info Telephone:** +54 341 5587007 | 5587008 | 5587009

**E-mail:** info@terragene.com.ar

**Web Page:** www.terragene.com.ar

#### 1.4. Emergency telephone

24-hour Emergency Number: Chemtrec International: +17035273887

## Section 2: HAZARDS IDENTIFICATION

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

The product is classified as dangerous according to **Regulation (EC) No. 1272/2008 (CLP)**.

#### CLASSIFICATION:

N/A

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

No information available

### 2.2. Label elements

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

##### 2.2.1. Hazard pictograms

N/A

##### 2.2.2 Signal word

N/A

##### 2.2.3. Hazard statements

N/A

##### 2.2.4. Precautionary statements

N/A

##### 2.2.5 Supplemental Hazard information (EU):

N/A

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**2.3. Other hazards**

PBT: not yet assessed.

VPvB: not yet assessed.

**Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS****3.1. Substance**

Not applicable.

**3.2 Mixture**

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Regulation (EC) No. 1272/2008 (CLP).

Ingredients	CAS Number	Content %	EC Number	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Ethanol	64-17-5	0-5%	200-578-6	Flam. Liq. 2; H225
Ethylen glycol	107-21-1	10-14%	203-473-3	Acute Tox. 4; H302

Comments: Exact concentrations are withheld as trade secret

**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****4.1.1. General:**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

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### 4.1.2. In case of ingestion:

If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Induce vomiting.

### 4.1.3. In case of eye contact:

Flush immediately with water for 15 minutes and seek medical attention if irritation develops.

### 4.1.4. In case of skin contact:

Flush immediately with water. Remove the contaminated clothes.

### 4.1.5. In case of inhalation:

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

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

It might be harmful in contact with skin and eyes.

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

Call a doctor or physician.

## Section 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), dry chemical powder or foam.

Unsuitable extinguishing media: None known.

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

N/A

### 5.3. Advice for firefighter

Firefighters should wear self-contained breathing apparatus and full protective gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Avoid contact with the material during the manipulation. Use goggles, latex gloves, splash apron or lab coat.

#### 6.1.1 For non-emergency personnel

Wear suitable gloves. Evacuate unnecessary personnel

#### 6.1.2 For emergency responders

Wear suitable gloves. Ventilate area.

### 6.2. Environmental precautions

Do not discharge into drains or rivers.

### 6.3. Methods for containment and cleaning up

Collect as much of the spilled material as possible. Place in a close container approved for transportation by appropriate authorities. Clean up residue. Seal container. Dispose of collected material as soon as possible.

### 6.4 Reference to other sections

Section 8 and 13.

## Section 7: HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Precautionary for safe handling: Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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

Incompatible products: unknown

Keep container tightly closed in a dry and cool place.

Store in cool, well ventilated area.

Keep away from sources of ignition.

Temperatures: 10 – 30 °C

Relative humidity: 30 – 80 %

Do not freeze.

### 7.3 Specific end use(s)

Indicator ink for efficiency test in thermal-disinfectors washing machines

## Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1 Occupational Exposure Limits

No information available

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use adequate ventilation to keep airborne concentrations low.

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## 8.2.2. Personal protective equipment

Protective gloves, splash-proof goggles, splash apron or lab coat. Safety eyewear designed to protect against splash of liquids.

## 8.2.3. Environmental exposure controls

Do not allow to enter drains or watercourses.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Red liquid
Color:	Red
Odour:	N/A
Odour threshold:	N/A
pH:	4.0-6.0
Relative evaporation rate:	N/A
Melting point/Freezing point:	N/A
Boiling point:	N/A
Flash point:	N/A
Flammability:	N/A
Vapour pressure:	N/A
Relative vapour density at 20°C:	N/A
Relative density:	N/A
Log Pow:	N/A
Explosive properties:	N/A
Oxidising properties:	N/A
Solids:	10-15%
Viscosity (for Cup n° 3):	10-20 sec.
Decomposition Temp.:	N/A
Explosive Limits:	N/A
Auto-ignition Temp.:	N/A
Solubility:	N/A
Solvent content:	10-15%

## 9.2 Other information

VOC's (ASTM D 2369-87): 0 %.

Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

Stable under recommended storage conditions (see section 7).

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

Hazardous Decomposition Products: N/A.

Hazardous Polymerization: N/A.

**10.4. Conditions to avoid**

Excessive heat.

**10.5. Incompatible materials**

Strong acids. Strong bases. Strong oxidizers.

**10.6. Hazardous decomposition products**

N/A

Section 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects**



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### 11.1.1. Signs and symptoms of exposure

Based on test data and/or information on the components, this material may produce the following health effects: Harmful if swallowed. Irritating to eyes. Vapors may cause drowsiness and dizziness.

Acute toxicity: Not available.

Skin corrosion/irritation: Not available.

Serious eye damage/irritation: Not available.

Respiratory or skin sensitization: Not available.

Germ cell mutagenicity: Not available.

Carcinogenicity: Not available.

Reproductive toxicity: Not available.

Specific target organ toxicity (single exposure): Not available.

Specific target organ toxicity (repeated exposure): Not available.

Aspiration hazard: Not available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

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### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects.

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose in accordance with all federal, state provincial and local regulations.

Do not allow it to enter soils or aquifers.

## Section 14: TRANSPORT INFORMATION

### 14.1. UN number

Not consider a dangerous good for transport regulations.

### 14.2 UN proper shipping name

N/A

### 14.3 Transport hazard class(es)

N/A

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### 14.4 Packing group

N/A

### 14.5 Environmental hazards

N/A

### 14.6 Special precaution for users

No additional information available.

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

N/A

## Section 15: REGULATORY INFORMATION

### 15.1 Safety, Health and environmental regulation/legislation specific for the substance or mixture

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH Candidate List.

Contains no REACH Annex XIV substances.

### 15.2 Chemical safety assessment

No chemical safety assessment is required.

## Section 16: OTHER INFORMATION

According to Regulation (EU) 2015/830

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Indication of changes: N/A

Abbreviations and acronyms:

CLP: Classification, Labelling and Packaging.

CAS number: Chemical Abstracts Service number.

Data sources:

<https://echa.europa.eu/information-on-chemicals/cl-inventory-database>

<https://echa.europa.eu/es/information-on-chemicals>

Regulation 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.

### 16.1. Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

### 16.2. Date of issue/Date of revision

30-10-2019

### 16.3. Revision number

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