



# SGI INDUSTRIES LTD

## SAFETY DATA SHEET

### CON KLEEN



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: Revision date 26/01/2016

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

### 1.1. Product identifier

Product form : Mixture  
Product name : CON KLEEN

Version: 10.1

Type of product : Technical product

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Acidic descaling agent

#### 1.2.2. Uses advised against

No additional information available

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

**SGI INDUSTRIES LTD** 17 Maybrook Road, Minworth, Sutton Coldfield, West Midlands. B76 1AL  
Tel: 01403 782570 Fax: 01403 786739 Email: [info@sgiindustries.com](mailto:info@sgiindustries.com) Web: [www.sgiindustries.com](http://www.sgiindustries.com)

### 1.4. Emergency telephone number

NHS 111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Acute Tox. 4 (Inhalation:dust,mist) H332  
Skin Corr. 1A H314

Full text of hazard classes and H-statements : see section 16

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) : Danger  
Hazardous ingredients : hydrogen chloride  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage  
H332 - Harmful if inhaled

Precautionary statements (CLP) : P260 - Do not breathe spray  
P261 - Avoid breathing spray  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear eye protection, protective gloves, protective clothing  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P315 - Get immediate medical advice/attention  
P405 - Store locked up

### 2.3. Other hazards

No additional information available



# SGI INDUSTRIES LTD

## SAFETY DATA SHEET

### CON KLEEN



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                                                                 | Product identifier                                                    | %       | Classification according to Directive 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP]      |
|----------------------------------------------------------------------|-----------------------------------------------------------------------|---------|--------------------------------------------------|----------------------------------------------------------------------|
| hydrogen chloride                                                    | (CAS No) 7647-01-0<br>(EC no) 231-595-7<br>(EC index no) 017-002-00-2 | 15 - 30 | T; R23<br>C; R35                                 | Press. Gas<br>Acute Tox. 3 (Inhalation), H331<br>Skin Corr. 1A, H314 |
| Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether | (CAS No) Polymer_DT03                                                 | 1 - 5   | Xn; R22<br>Xi; R41                               | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318                        |

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Get medical advice/attention if you feel unwell.                                                                                 |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                   |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse.                     |
| First-aid measures after eye contact  | : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention. |
| First-aid measures after ingestion    | : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.                                        |

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

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Symptoms/injuries after inhalation   | : May cause respiratory irritation. |
| Symptoms/injuries after skin contact | : Burns.                            |
| Symptoms/injuries after eye contact  | : Causes serious eye damage.        |
| Symptoms/injuries after ingestion    | : Burns.                            |

### 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. Dry powder. Foam.

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

Hazardous decomposition products in case of fire : Corrosive vapours.

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.



# SGI INDUSTRIES LTD

## SAFETY DATA SHEET

### CON KLEEN



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hygiene measures : Do not eat, drink or smoke when using this product.

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

Technical measures : Does not require any specific or particular technical measures.  
 Storage conditions : Keep container closed when not in use.  
 Incompatible products : Strong bases. Oxidizing agent.  
 Incompatible materials : Metals.  
 Special rules on packaging : Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Materials for protective clothing : Safety boots. PICM008  
 Hand protection : Protective gloves  
 Eye protection : Safety glasses  
 Skin and body protection : Wear suitable protective clothing  
 Respiratory protection : Not required for normal conditions of use



### SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
 Appearance : Mobile liquid.  
 Colour : red.  
 Odour : acidic.  
 Odour threshold : No data available  
 pH : 1  
 Relative evaporation rate (butylacetate=1) : No data available  
 Melting point : No data available  
 Freezing point : No data available  
 Boiling point : No data available  
 Flash point : No data available  
 Auto-ignition temperature : No data available  
 Decomposition temperature : No data available  
 Flammability (solid, gas) : No data available  
 Vapour pressure : No data available  
 Relative vapour density at 20 °C : No data available  
 Relative density : 1.09  
 Solubility : No data available  
 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

No additional information available



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

metals.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Inhalation:dust,mist: Harmful if inhaled.

|                     |               |
|---------------------|---------------|
| ATE CLP (dust,mist) | 2.601 mg/l/4h |
|---------------------|---------------|

Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 1

Serious eye damage/irritation : Serious eye damage, category 1, implicit  
pH: 1

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

| Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether (Polymer_DT03) |                 |
|-------------------------------------------------------------------------------------|-----------------|
| LC50 fish 1                                                                         | > 10 - 100 mg/l |
| EC50 Daphnia 1                                                                      | > 10 - 100 mg/l |
| ErC50 (other aquatic plants)                                                        | > 10 - 100 mg/l |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 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

No additional information available

## SECTION 14: Transport information

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

**14.1. UN number**

UN-No. (ADR) : 1789  
 UN-No. (IMDG) : 1789  
 UN-No. (IATA) : 1789

**14.2. UN proper shipping name**

Proper Shipping Name (ADR) : HYDROCHLORIC ACID  
 Proper Shipping Name (IMDG) : HYDROCHLORIC ACID  
 Proper Shipping Name (IATA) : HYDROCHLORIC ACID  
 Transport document description (ADR) : UN 1789 HYDROCHLORIC ACID, 8, II, (E)  
 Transport document description (IMDG) : UN 1789 HYDROCHLORIC ACID, 8, II

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

**ADR**

Transport hazard class(es) (ADR) : 8  
 Danger labels (ADR) : 8



**IMDG**

Transport hazard class(es) (IMDG) : 8  
 Danger labels (IMDG) : 8



**IATA**

Transport hazard class(es) (IATA) : 8  
 Hazard labels (IATA) : 8



**14.4. Packing group**

Packing group (ADR) : II  
 Packing group (IMDG) : II  
 Packing group (IATA) : II

**14.5. Environmental hazards**

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No supplementary information available

**14.6. Special precautions for user**

**- Overland transport**

Classification code (ADR) : C1  
 Special provisions (ADR) : 520  
 Limited quantities (ADR) : 11  
 Excepted quantities (ADR) : E2  
 Packing instructions (ADR) : P001, IBC02  
 Mixed packing provisions (ADR) : MP15



# SGI INDUSTRIES LTD

## SAFETY DATA SHEET

### CON KLEEN



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Portable tank and bulk container instructions (ADR) : T8

Portable tank and bulk container special provisions (ADR) : TP2

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Hazard identification number (Kemler No.) : 80

Orange plates :



Tunnel restriction code (ADR) : E

EAC code : 2R

#### - Transport by sea

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

IBC special provisions (IMDG) : B20

Tank instructions (IMDG) : T8

Tank special provisions (IMDG) : TP2

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG) : C

#### - Air transport

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y840

PCA limited quantity max net quantity (IATA) : 0.5L

PCA packing instructions (IATA) : 851

PCA max net quantity (IATA) : 1L

CAO packing instructions (IATA) : 855

CAO max net quantity (IATA) : 30L

Special provisions (IATA) : A3

ERG code (IATA) : 8L

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

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

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed



# SGI INDUSTRIES LTD

## SAFETY DATA SHEET

### CON KLEEN



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of R-, H- and EUH-statements:

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3              |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1    |
| Press. Gas                          | Gases under pressure                             |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1A           |
| H302                                | Harmful if swallowed                             |
| H314                                | Causes severe skin burns and eye damage          |
| H318                                | Causes serious eye damage                        |
| H331                                | Toxic if inhaled                                 |
| H332                                | Harmful if inhaled                               |

SDS EU

*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*