

# SAFETY DATA SHEET SANITIZING HARD SURFACE CLEANER

According to Regulation (EU) No 453/2010

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

### 1.1. Product identifier

**Product name** SANITIZING HARD SURFACE CLEANER  
**Product No.** HSC605

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

**Identified uses** Cleaning agent.

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

**Supplier** Kitchenmaster NI Ltd  
11 Comber Road  
Belfast  
BT8 8AN  
Tel. 028 90814777  
Fax. 028 90812881  
email: sds@kitchenmaster-ni.com

### 1.4. Emergency telephone number

028 9081 4777  
08:30 - 17:00 Monday to Thursday  
08:30 - 16:30 Friday

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Classification (1999/45/EEC)** Xi;R36.

#### Human health

Irritating to eyes.

#### Environment

The product contains a substance which is very toxic to aquatic organisms.

### 2.2. Label elements

#### Detergent Labelling:

< 5%	non-ionic surfactants amphoteric surfactants Phosphonates
Contains	BENZALKONIUM CHLORIDE

#### Labelling



Irritant

#### Risk Phrases

R36 Irritating to eyes.

#### Safety Phrases

S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S60 This material and its container must be disposed of as hazardous waste.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

# SANITIZING HARD SURFACE CLEANER

<b>ALCOHOL ETHOXYLATE-7 MOLE</b> <span style="float: right;">1-5%</span>	
<b>CAS-No.: 68131-39-5</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.
<b>BENZALKONIUM CHLORIDE</b> <span style="float: right;">&lt; 1</span>	
<b>CAS-No.: 68391-01-5</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. C;R34. N;R50.
<b>DISODIUM METASILICATE</b> <span style="float: right;">1-5%</span>	
<b>CAS-No.: 6834-92-0</b>	<b>EC No.: 229-912-9</b>
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation**

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### **Ingestion**

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

#### **Skin contact**

Liquid may irritate the skin. Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

#### **Eye contact**

May cause blurred vision and serious eye damage. Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

#### **Inhalation.**

Spray mists may cause respiratory tract irritation.

#### **Ingestion**

May cause discomfort if swallowed. May cause internal injury.

#### **Skin contact**

Skin irritation.

#### **Eye contact**

Irritating to eyes.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

# SANITIZING HARD SURFACE CLEANER

## Extinguishing media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

## Unsuitable extinguishing media

Not relevant

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

### Hazardous combustion products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 5.3. Advice for firefighters

### Special Fire Fighting Procedures

No specific fire fighting procedure given.

### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

The product is not expected to be hazardous to the environment.

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

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Wash hands after handling.

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

Store in tightly closed original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation.

#### Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

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## Eye protection

Wear approved safety goggles.

## Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Odour	Characteristic.

### 9.2. Other information

Not determined.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Acids.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

Not relevant

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

#### Materials To Avoid

Acids.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Inhalation

Spray mists may cause respiratory tract irritation.

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

Prolonged and frequent contact may cause redness and irritation.

#### Eye contact

Irritating to eyes.

#### Toxicological information on ingredients.

# SANITIZING HARD SURFACE CLEANER

DISODIUM METASILICATE (CAS: 6834-92-0)

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

994 mg/kg Rat

REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 3000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 2.06 mg/l (vapours) Rat

REACH dossier information

ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 1.6 mg/l (dust/mist) Rat 4 hours

REACH dossier information

BENZALKONIUM CHLORIDE (CAS: 68391-01-5)

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

150 mg/kg Mouse

Miscellaneous information sources.

**Acute Toxicity (Dermal LD50)**

1420 mg/kg Rat

Miscellaneous information sources.

## SECTION 12: ECOLOGICAL INFORMATION

### **Ecotoxicity**

The product contains a substance which is very toxic to aquatic organisms.

### **12.1. Toxicity**

# SANITIZING HARD SURFACE CLEANER

## Ecological information on ingredients.

### DISODIUM METASILICATE (CAS: 6834-92-0)

#### **Acute Toxicity - Fish**

LC50 96 hours 210 mg/l Brachydanio rerio (Zebra Fish)

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 7.8 pH Daphnia magna

REACH dossier information

#### **Acute Toxicity - Aquatic Plants**

EC50 72 hours 207 mg/l Desmodosmus subspicatus

REACH dossier information

### ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

#### **Acute Toxicity - Fish**

LC50 96 hours 0.59 mg/l Pleuronectes platessa

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 0.14 mg/l Daphnia magna

REACH dossier information

#### **Acute Toxicity - Aquatic Plants**

EC50 72 hours 0.75 mg/l Selenastrum capricornutum

REACH dossier information

### BENZALKONIUM CHLORIDE (CAS: 68391-01-5)

#### **Acute Toxicity - Fish**

LC50 96 hours 0.31 mg/l Lepomis macrochirus (Bluegill)

Miscellaneous information sources.

## **12.2. Persistence and degradability**

### **Degradability**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## Ecological information on ingredients.

### DISODIUM METASILICATE (CAS: 6834-92-0)

#### **Biodegradation**

Scientifically unjustified.

REACH dossier information

### ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

#### **Biodegradation**

Activated sludge Degradation (72%) 28 days

REACH dossier information

The substance is readily biodegradable.

## **12.3. Bioaccumulative potential**

### **Bioaccumulative potential**

No data available on bioaccumulation.

## Ecological information on ingredients.

### ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

#### **Bioaccumulation factor**

BCF 12.7 Pimephales promelas (Fat-head Minnow)

REACH dossier information

## **12.4. Mobility in soil**

### **Mobility:**

The product is soluble in water.

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

Not determined.

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## 12.6. Other adverse effects

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

## SECTION 14: TRANSPORT INFORMATION

**General** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally Hazardous Substance/Marine Pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### Guidance Notes

Workplace Exposure Limits EH40.

#### EU Legislation

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 with amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

### Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

**Revision Date** 04-2012

**Revision** 3

**Supersedes date** 04-2008

## SANITIZING HARD SURFACE CLEANER

### Risk Phrases In Full

R34	Causes burns.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

### Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.