

**SAFETY DATA SHEET**  
**Food Safe Descaling Granules****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name Food Safe Descaling Granules

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

Identified uses De-scaler

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

Supplier Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com

**1.4. Emergency telephone number**

+44 (0)7831 300868

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319
Environment	Not classified.

**Classification (67/548/EEC)**

Xi; R36/38.

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

**Human health**

Irritating to eyes.

**2.2. Label elements**

Label In Accordance With (EC) No. 1272/2008

**Signal Word**

Warning

**Hazard Statements**

H315	Causes skin irritation.
H319	Causes serious eye irritation.

**Precautionary Statements**

P102	Keep out of reach of children.
P280	Wear protective gloves. Wear eye protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention.
P308+313	
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local regulations.

**Supplementary Precautionary Statements**

P302+352	IF ON SKIN: Wash with plenty of soap and water.
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## Food Safe Descaling Granules

### 2.3. Other hazards

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

CITRIC ACID ANHYDROUS		60-100%
CAS-No.: 77-92-9	EC No.: 201-069-1	Registration Number: 01-2119457026-42
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	

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.

#### **Ingestion**

DO NOT INDUCE VOMITING! Water may be given to wash out the mouth if the person is conscious and not convulsing. Seek medical advice if necessary.

#### **Skin contact**

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash the skin immediately with soap and water.

#### **Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Consult a physician for specific advice.

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

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

#### SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

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

#### **Specific hazards**

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

### 5.3. Advice for firefighters

#### **Protective equipment for fire-fighters**

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

#### 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

Do not discharge into drains, water courses or onto the ground.

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

Transfer to a container for disposal. Wash contaminated area with water.

### 6.4. Reference to other sections

## Food Safe Descaling Granules

### SECTION 7: HANDLING AND STORAGE

#### **7.1. Precautions for safe handling**

Provide good ventilation. Avoid direct contact with the substance. Avoid spreading dust.

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

Store in a cool and well-ventilated place. Keep containers tightly closed.

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

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1. Control parameters**

#### **8.2. Exposure controls**

##### **Engineering measures**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of spray.

##### **Respiratory equipment**

Respiratory protection not required.

##### **Hand protection**

For prolonged or repeated skin contact use suitable protective gloves.

##### **Eye protection**

Use eye protection. Wear approved chemical safety goggles where eye exposure is reasonably probable.

##### **Hygiene measures**

Wash hands after handling. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.

##### **Personal protection**

When using do not smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Appearance</b>	Solid granules
<b>Colour</b>	White / off-white.
<b>Odour</b>	No characteristic odour.
<b>Solubility</b>	Soluble in water. Ethanol.
<b>Melting point (°C)</b>	153
<b>Vapour pressure</b>	6.8
<b>pH-Value, Conc. Solution</b>	1.8

#### **9.2. Other information**

### SECTION 10: STABILITY AND REACTIVITY

#### **10.1. Reactivity**

#### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

#### **10.3. Possibility of hazardous reactions**

#### **10.4. Conditions to avoid**

Avoid heat. Water, moisture.

#### **10.5. Incompatible materials**

##### **Materials To Avoid**

Strong oxidising substances.

## Food Safe Descaling Granules

### 10.6. Hazardous decomposition products

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Toxic Dose 1 - LD 50**

3000 mg/kg (oral rat)

#### **General information**

No specific health warnings noted.

#### **Inhalation**

No specific health warnings noted.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

Irritating to skin.

#### **Eye contact**

Irritating to eyes.

#### **Health Warnings**

Arrhythmia, (deviation from normal heart beat). Irritating to skin. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

#### **Route of entry**

Skin and/or eye contact.

#### **Target Organs**

Eyes

#### **Medical Symptoms**

Skin irritation.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

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

### 12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l                      706

### 12.2. Persistence and degradability

#### **Degradability**

The product is biodegradable.

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

The product is not bioaccumulating.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

## Food Safe Descaling Granules

### General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

## 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)

#### Transport Labels

No transport warning sign required.

### 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

#### Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

#### Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

#### EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

#### National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

### 15.2. Chemical Safety Assessment

## SECTION 16: OTHER INFORMATION

## Food Safe Descaling Granules

<b>Safety Data Sheet Status</b>	Approved.
<b>Date</b>	12.03.2014
<b>Risk Phrases In Full</b>	
R36/38	Irritating to eyes and skin.
<b>Hazard Statements In Full</b>	
H319	Causes serious eye irritation.
H315	Causes skin irritation.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.