



## SAFETY DATA SHEET

### Max Traditional Citric Acid

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

##### 1.1. Product identifier

**Product name** Max Traditional Citric Acid  
**Product number** 00304/01  
**Container size** 450g

##### 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** Challs International Ltd.  
 Unit 46  
 Lady Lane Industrial Estate  
 Hadleigh  
 Suffolk  
 IP7 6BQ  
 +44 01473 828700  
 +44 01473 828701  
 sales@challs.com

**Manufacturer** Primo Manufacturing Ltd  
 Hadleigh  
 Suffolk  
 IP7 6BQ  
 +44 01473 820999  
 sales@primo.mfg.co.uk

##### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Eye Irrit. 2 - H319  
**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Pictogram



**Signal word** Warning  
**Hazard statements** H319 Causes serious eye irritation.

## Max Traditional Citric Acid

<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
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### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Citric Acid Monohydrate</b>			<b>60-100%</b>
CAS number: 5949-29-1	EC number: 201-069-1	REACH registration number: 01-2119457026-42-XXXX	
<b>Classification</b>			
Eye Irrit. 2 - H319			

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

<b>Inhalation</b>	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If in doubt, get medical attention promptly.
<b>Ingestion</b>	Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water or use an approved skin cleanser. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. See Section 11 for additional information on health hazards.
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### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Dust may form explosive mixture with air.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Containers close to fire should be removed or cooled with water.
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**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials.

### SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see section 8.

#### 6.2. Environmental precautions

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

**Methods for cleaning up** Do not allow material to enter confined spaces, due to the risk of explosion. Avoid generation and spreading of dust. If the product is soluble in water, dilute the spillage with water and mop it up.

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read label before use. Avoid contact during pregnancy/while nursing. For personal protection, see Section 8.

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

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Store at temperatures between 10°C and 30°C.

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

**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

**PNEC**

Fresh water;	0.44 mg/l
Marine water;	0.044 mg/l
Sediment (Freshwater);	7.52 mg/kg
Sediment (Marinewater);	0.752 mg/kg
Soil;	29.2 mg/kg

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

##### Personal protection

The following recommendations are made based on information available for the major chemical component.

##### Eye/face protection

Wear eye protection.

##### Hand protection

Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374.

##### Hygiene measures

Wash contaminated skin thoroughly after handling. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash at the end of each work shift and before eating, smoking and using the toilet.

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**Respiratory protection** Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Particulate filter, type P2.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Crystalline powder. Powder. Solid.
<b>Colour</b>	White.
<b>Odour</b>	Almost odourless.
<b>pH</b>	pH (diluted solution): 1.8 50 g/l
<b>Melting point</b>	153°C
<b>Initial boiling point and range</b>	<175°C
<b>Vapour pressure</b>	<0.001 hPa @ 20°C
<b>Relative density</b>	1.665 @ 20°C
<b>Solubility(ies)</b>	576-1330 g/l water @ 20°C
<b>Partition coefficient</b>	log Pow: -1.80 -0.2
<b>Decomposition Temperature</b>	175°C
<b>Viscosity</b>	6.5 mPa s @ 20°C

#### 9.2. Other information

<b>Molecular weight</b>	192.13
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid generation and spreading of dust.

#### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with the following materials: Alkalis. Acids - oxidising.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Heating may generate the following products: Carbon dioxide (CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5.4

**Species** Mouse

**ATE oral (mg/kg)** 5.4

##### Acute toxicity - dermal

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<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	2,000.0
<b>Species</b>	Rat
<b>ATE dermal (mg/kg)</b>	2,000.0
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Slightly irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes eye irritation.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Negative.
<b>Genotoxicity - in vivo</b>	Negative.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	No information required.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	No information available.
<b>Inhalation</b>	May cause sensitisation by inhalation.
<b>Skin contact</b>	The product is irritating to eyes and skin.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

**Biodegradation** - Degradation 97: 28 days

**Biological oxygen demand** 0.526 g O<sub>2</sub>/g substance

**Chemical oxygen demand** 0.728 g O<sub>2</sub>/g substance

#### 12.3. Bioaccumulative potential

**Partition coefficient** log Pow: -1.80 -0.2

#### 12.4. Mobility in soil

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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**General information** Waste is classified as hazardous waste.

**Disposal methods** Dispose of waste product or used containers in accordance with local regulations

### SECTION 14: Transport information

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not regulated.

#### 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 MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

### SECTION 15: Regulatory information

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

##### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

#### 15.2. Chemical safety assessment

##### **Inventories**

##### **EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

##### **Canada - DSL/NDL**

All the ingredients are listed or exempt.  
DSL

##### **US - TSCA**

All the ingredients are listed or exempt.

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### Australia - AICS

All the ingredients are listed or exempt.

### Korea - KECI

All the ingredients are listed or exempt.

### Philippines – PICCS

All the ingredients are listed or exempt.

### New Zealand - NZIOC

All the ingredients are listed or exempt.

### SECTION 16: Other information

<b>Revision date</b>	11/07/2019
<b>SDS number</b>	5189
<b>Hazard statements in full</b>	H319 Causes serious eye irritation.