

**SAFETY DATA SHEET****50:50 Proton 400****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name** 50:50 Proton 400

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

**Identified uses** Surface cleaner

**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****SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

**Health hazards**

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208

**Environmental hazards**

Not Classified

Classification (67/548/EEC or 1999/45/EC)

**2.2. Label elements****Pictogram****Signal word**

Warning

**Hazard statements**

EUH208 Contains Pronate Perfume. May produce an allergic reaction.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Precautionary statements**

P102 Keep out of reach of children.  
P501 Dispose of contents/container in accordance with local regulations.  
P308+P313 IF exposed or concerned: Get medical advice/attention.

**Detergent labelling**

< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, < 5% phosphonates

**2.3. Other hazards****SECTION 3: Composition/information on ingredients**

## 50:50 Proton 400

**3.2. Mixtures**

<b>Sodium alkyl ether sulphate</b> <span style="float: right;">1-5%</span>	
CAS number: 66455-29-6 EC number: — REACH registration number: N/A	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R36/38.
Eye Irrit. 2 - H319	
<b>Phosphonate Salt Solution</b> <span style="float: right;">1-5%</span>	
CAS number: — EC number: — REACH registration number: N/A	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R36/38.
Eye Irrit. 2 - H319	
<b>Nonyl Phenyl ethoxylate</b> <span style="float: right;">1-5%</span>	
CAS number: 37205-87-1 EC number: — REACH registration number: N/A	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R36/38. R53.
Eye Irrit. 2 - H319	
Aquatic Chronic 4 - H413	
<b>SODIUM HYDROXIDE</b> <span style="float: right;">&lt;1%</span>	
CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Met. Corr. 1 - H290	C;R35
Skin Corr. 1A - H314	
<b>Pronate Perfume</b> <span style="float: right;">&lt;1%</span>	
CAS number: — EC number: — REACH registration number: N/A	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Sens. 1 - H317	N;R51/53. R43.
Aquatic Chronic 2 - H411	

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****General information**

Move affected person to fresh air at once.

**Inhalation**

Move affected person to fresh air at once.

**Ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Never give anything by mouth to an unconscious person. Get medical attention.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

## 50:50 Proton 400

### Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

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

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire.

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

#### Specific hazards

The product is non-combustible. Toxic gases or vapours.

### 5.3. Advice for firefighters

#### Protective actions during firefighting

Water spray should be used to cool containers.

#### Special protective equipment for firefighters

Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

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## SECTION 6: Accidental release measures

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

#### Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

#### Environmental precautions

Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up.

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

#### Methods for cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Usage precautions

Avoid contact with skin and eyes. Provide adequate ventilation.

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

#### Storage precautions

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

### 7.3. Specific end use(s)

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## SECTION 8: Exposure Controls/personal protection

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### 8.1. Control parameters

#### Occupational exposure limits

#### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

## 50:50 Proton 400

### Ingredient comments

WEL = Workplace Exposure Limits

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### Personal protection

When using do not smoke

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Use protective gloves.

#### Other skin and body protection

Provide eyewash station. Wear apron or protective clothing in case of contact.

#### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

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## **SECTION 9: Physical and Chemical Properties**

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

#### Appearance

Liquid.

#### Colour

Green. Blue.

#### Odour

Characteristic.

#### pH

pH (concentrated solution): >12

#### Solubility(ies)

Soluble in water.

### 9.2. Other information

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## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat. Avoid freezing.

### 10.5. Incompatible materials

#### Materials to avoid

## 50:50 Proton 400

Strong oxidising agents. Strong acids.

### **10.6. Hazardous decomposition products**

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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## **SECTION 11: Toxicological information**

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### **11.1. Information on toxicological effects**

#### **Inhalation**

May cause respiratory system irritation.

#### **Ingestion**

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

#### **Skin contact**

Prolonged and frequent contact may cause redness and irritation.

#### **Eye contact**

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. Visual disturbances, including blurred vision. May cause blurred vision and serious eye damage.

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## **SECTION 12: Ecological Information**

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### **Ecotoxicity**

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

### **12.1. Toxicity**

### **12.2. Persistence and degradability**

#### **Persistence and degradability**

The product is biodegradable.

### **12.3. Bioaccumulative potential**

The product is not bioaccumulating.

### **12.4. Mobility in soil**

#### **Mobility**

The product is soluble in water.

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

### **12.6. Other adverse effects**

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## **SECTION 13: Disposal considerations**

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### **13.1. Waste treatment methods**

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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## **SECTION 14: Transport information**

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### **General**

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

### **14.1. UN number**

Not applicable.

### **UN No. (IMDG)**

### **UN No. (ICAO)**

### **14.2. UN proper shipping name**

Not applicable.

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

**50:50 Proton 400**

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

**14.4. Packing group**

Not applicable.

ADR/RID packing group

IMDG packing group

ICAO packing group

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

Not applicable.

EmS

Emergency Action Code

Hazard Identification Number  
(ADR/RID)**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****National regulations**

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

**EU legislation**

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

**Guidance**

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

**15.2. Chemical safety assessment****SECTION 16: Other information**

Revision date	14/04/2015
Revision	2
SDS number	12349

### 50:50 Proton 400

**SDS status**

Approved.

**Risk phrases in full**

NC Not classified.

R35 Causes severe burns.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment.

**Hazard statements in full**

EUH208 Contains Pronate Perfume. May produce an allergic reaction.

#### 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.