



## SAFETY DATA SHEET Revolution 500

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

#### 1.1. Product identifier

Product name Revolution 500  
Product No. 08221

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

Identified uses Laundry Products

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

Supplier Premiere Products  
Oakley Gardens,  
Bouncers Lane,  
Cheltenham, GLOS GL52 5JD  
01242 537103  
01242 537177  
Fax - 01242 528445  
laboratory@premiereproducts.co.uk

#### 1.4. Emergency telephone number

+44 (0)1242 537177 GMT 9am-5pm Monday-Friday

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (1999/45/EEC) C;R35.  
Human health  
See section 11 for additional information on health hazards.  
Environment  
The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

Contains SODIUM HYDROXIDE  
Labelling



Corrosive

Risk Phrases

R35

Causes severe burns.

Safety Phrases

S1/2

Keep locked up and out of the reach of children.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28

After contact with skin, wash immediately with plenty of water.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

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

**3.2. Mixtures**

SODIUM HYDROXIDE	5-10%
CAS-No.: 1310-73-2	EC No.: 215-185-5
Classification (EC 1272/2008) Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35

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. Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention.

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT INDUCE VOMITING! Get medical attention immediately!

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention immediately!

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse. Immediately transport to hospital or eye specialist.

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

Inhalation

No specific symptoms noted.

Ingestion

Chemical burns.

Skin contact

Burns can occur.

Eye contact

May cause blurred vision and serious eye damage.

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

Treat Symptomatically.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

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

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

Use supplied air respirator if product is involved in a fire. Use special protective clothing. Regular protection may not be safe.

Protective equipment for fire-fighters

Use air-supplied respirator, gloves and protective goggles. 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**

Avoid discharge into drains, water courses or onto the ground.

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

Absorb with inert, damp, non-combustible material, then flush area with water.

**6.4. Reference to other sections**

See section 11 for additional information on health hazards.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations.

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

Store in tightly closed original container in a dry and cool place.

Storage Class

Chemical storage. Corrosive storage.

**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**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

**8.2. Exposure controls**

Protective equipment



Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Wear protective gloves.

Eye protection

Wear goggles/face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Skin protection

Wear apron or protective clothing in case of contact.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance

Light viscous liquid.

## Revolution 500

Colour	White / off-white.
Odour	No characteristic odour.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	Approx 100
Melting point (°C)	Not determined.
Relative density	Not determined.
Bulk Density	1.280
Vapour density (air=1)	Not determined.
Vapour pressure	Not determined.
Evaporation rate	Not determined.
Evaporation Factor	Not determined.
pH-Value, Conc. Solution	12.0 - 13.0
pH-Value, Diluted Solution	Not determined.
Viscosity	900 cP 20
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not determined.
Decomposition temperature (°C)	Not determined.
Odour Threshold, Lower	Not determined.
Odour Threshold, Upper	Not determined.
Flash point (°C)	Not determined.
Auto Ignition Temperature (°C)	Not determined.
Flammability Limit - Lower(%)	Not determined.
Flammability Limit - Upper(%)	Not determined.
Partition Coefficient (N-Octanol/Water)	Not determined.
Explosive properties	Not determined.
Other Flammability	Not determined.
Oxidising properties	Not determined.

### **9.2. Other information**

Not known.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

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

Not known.

**10.4. Conditions to avoid**

Avoid contact with acids.

**10.5. Incompatible materials**

Materials To Avoid

Strong acids.

**10.6. Hazardous decomposition products**

None under normal conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Acute toxicity:

Acute Toxicity (Oral LD50)

Not determined.

Acute Toxicity (Dermal LD50)

Not determined.

Acute Toxicity (Inhalation LC50)

Not determined.

Respiratory or skin sensitisation:

Respiratory sensitisation

Not determined.

Skin sensitisation

Not determined.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Not determined.

Genotoxicity - In Vivo

Not determined.

Carcinogenicity:

Carcinogenicity

Not determined.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not determined.

Reproductive Toxicity - Development

Not determined.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Not determined.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not determined.

Aspiration hazard:

Viscosity

Not determined.

Inhalation

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

Swallowing concentrated chemical may cause severe internal injury.

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## Skin contact

Causes burns. Corrosive. Prolonged contact causes serious tissue damage.

## Eye contact

Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

## Health Warnings

This substance is corrosive.

## Target Organs

No specific target organs noted

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

There are no data on the ecotoxicity of this product.

### **12.1. Toxicity**

#### Acute Fish Toxicity

Not considered toxic to fish.

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

#### Degradability

The product is biodegradable.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

May accumulate in soil and water systems.

#### Partition coefficient

Not determined.

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

#### Mobility:

The product is soluble in water.

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

This product does not contain any PBT or vPvB substances.

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

None known.

## 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.

## SECTION 14: TRANSPORT INFORMATION

### General

Full protective clothing should be worn when handling this product.

### **14.1. UN number**

UN No. (ADR/RID/ADN)

1814

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

Not available.

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

IMDG Class

II

**14.4. Packing group**

IMDG Packing group 8214

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

Not known.

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

No information required.

**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.

EU Legislation

Detergents Regulations (EC) No 648/2004

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Issued By	Health & Safety Officer
Revision Date	18/06/2013
Revision	3
Supersedes date	10/06/2013
SDS No.	5
Date	10/6/2013
Risk Phrases In Full	
R35	Causes severe burns.
Hazard Statements In Full	
H314	Causes severe skin burns and eye damage.