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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Product Name: Turbo Renovating Powder
- Product Part Number: R-TURP

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

- Use of the substance/mixture: Glass and ware washing machine renovator.

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

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 4 Richmond Road  
Trafford Park  
Manchester  
M17 1RE
- Telephone: +44 (0) 161 874 7200
- Responsible Person: Wilfred Worsley
- Email: safetydata@chemisphereuk.co.uk

#### 1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 776 724 8499
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3

#### 2.2 Label elements



**GHS07**

- Signal Word: Warning
- Hazard statements
  - Causes skin irritation.
  - Harmful if inhaled.
  - Causes serious eye irritation.
  - Harmful to aquatic life with long lasting effects.
- Precautionary statements
  - Keep out of reach of children.
  - Avoid breathing dust/fume/gas/mist/vapours/spray.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

## **SECTION 2: Hazards identification (....)**

present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
If medical advice is needed, have product container or label at hand.  
Contains: Trisodium orthophosphate  
Organic chlorine compound

- Supplemental Hazard information (EU)  
Contact with acids liberates toxic gas.

### **2.3 Hazards identification**

- Not a PBT according to REACH Annex XIII
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## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixtures**

- Sodium Tripolyphosphate  
CAS Number: 7758-29-4  
EC Number: 231-838-7  
Concentration: 20 - 40%  
Categories:
- Phosphate salt  
CAS Number:  
EC Number:  
Concentration: 1 - 20%  
Categories: Skin Irrit. 2, Eye Irrit. 2, STOT SE 3  
Symbols: GHS07  
H Statements: H315;H319;H335
- Organic chlorine compound  
CAS Number:  
EC Number:  
Concentration: <5%  
Categories: Acute Tox. 4, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1  
Symbols: GHS09;GHS07  
H Statements: H400;H410;H302;H319;H335
- Trisodium orthophosphate  
CAS Number: 7601-54-9  
EC Number: 231-509-8  
Concentration: 20 - 40%

### **SECTION 3: Composition/information on ingredients (....)**

Categories: Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2

Symbols: GHS07

H Statements: GHS07

- Sodium carbonate

CAS Number: 497-19-8

EC Number: 207-838-8

Concentration: 20 - 40%

Categories: Eye Irrit. 2

Symbols: GHS07

H Statements: H319

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### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

- Contact with eyes  
Causes serious eye irritation.  
May cause permanent damage if eye is not immediately irrigated.
- Ingestion  
Causes severe irritation  
May cause damage to the digestive tract if swallowed  
Harmful if swallowed
- Inhalation  
Irritating to respiratory system  
Can cause damage to the respiratory system  
Harmful if inhaled.
- Contact with skin  
Causes skin irritation.

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

- If medical advice is needed, have product container or label at hand.
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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

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

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## SECTION 5: Firefighting measures (....)

- May give off noxious and toxic fumes in a fire

### 5.3 Advice for firefighters

- Wear chemical protection suit and breathing apparatus
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## SECTION 6: Accidental release measures

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

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

### 6.2 Environmental precautions

- Do not discharge into drains or the environment, dispose to an authorised waste collection point

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

- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

### 6.4 Reference to other sections

- Wear protective clothing as per section 8
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation

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

- Keep locked up and out of reach of children
- Protect from sunlight.
- Keep in a cool, dry, well ventilated place
- Incompatible with oxidizing substances
- Incompatible with acid

### 7.3 Specific end use(s)

- Renovation of drinking glasses and ware washing machines.
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- Trisodium orthophosphate  
DNEL (Industry; inhalational, long term local effects): 17.87 mg/m<sup>3</sup>
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## SECTION 8: Exposure controls/personal protection (....)

DNEL (Consumer; inhalational, long term local effects): 7.66 mg/m<sup>3</sup>

DNEL (oral): 70 mg/kg

- Sodium carbonate  
DNEL (Industry; inhalational, long term local effects): 10 mg/m<sup>3</sup>

### 8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.



Gloves



Goggles

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: powder, white
- Odour: Slight smell of chlorine
- pH: >11
- Density: 0.99 g/cm<sup>3</sup> at 20 deg C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable

### 9.2 Other information

- No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- Reacts with acid
- Reacts with strong oxidizing substances

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- Contact with acid may form toxic gases

### 10.4 Conditions to avoid

- Keep away from heat, light and moisture

### 10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with oxidising substances

### 10.6 Hazardous decomposition products

- No hazardous decomposition products known

## **SECTION 11: Toxicological information**

### **11.1 Contact with eyes**

- Causes serious eye irritation.

### **11.2 Ingestion**

- Causes severe irritation
- Harmful if swallowed

### **11.3 Inhalation**

- Irritating to respiratory system
- Harmful if inhaled.

### **11.4 Contact with skin**

- Causes skin irritation.

### **11.5 Information on toxicological effects**

- Trisodium orthophosphate  
LD50 (oral, rat): > 2000 mg/kg  
LD50 (dermal, rabbit): > 5000 mg/kg  
LC50 (inhalation, rat): > 0.83 mg/l
  - Sodium carbonate  
LD50 (oral, rat): 2800 mg/kg  
LD50 (dermal, rabbit): > 5000 mg/kg  
LC50 (inhalation, rat): 2300 mg/l  
LD50 (dermal) : 2000 mg/kg
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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

- Trisodium orthophosphate  
IC50 (algae): Unknown mg/l (72 hr)  
EC50 (daphnia): >100 mg/l (48 hr)  
LC50 (fish): Unknown mg/l (96 hr)
- Sodium carbonate  
EC50 (daphnia): 265 mg/l (48 hr)  
LC50 (fish): 300 mg/l (96 hr)

### **12.2 Persistence and degradability**

- Not readily biodegradable

### **12.3 Bioaccumulative potential**

- No information available

### **12.4 Mobility in soil**

- Soluble in water
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## **SECTION 12: Ecological information (....)**

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

- Not a PBT according to REACH Annex XIII

### **12.6 Other adverse effects**

- No information available
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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
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## **SECTION 14: Transport information**

### **14.1 UN number**

- UN No.: None assigned

### **14.2 Proper Shipping Name**

- Proper Shipping Name: None assigned

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

- Hazard Class: None assigned

### **14.4 Packing group**

- Packing Group: None assigned

### **14.5 Environmental hazards**

- None assigned

### **14.6 Special precautions for user**

- No special precautions are required for this product

### **14.7 Emergency Action Code**

- None assigned

### **14.8 Transport in bulk according to Annex II of Marpol and the IBC Code**

- Not applicable
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## **SECTION 15: Regulatory information**

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

- This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

### **15.2 Chemical safety assessment**

- A chemical safety assessment (CSA) for this product has not yet been completed
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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

**The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.**

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