THE CERAMIC WAREHOUSE

Compilation date: 01/09/2023
Revision date: 01/04/2025
Revision No: 1

SAFETY DATA SHEET

Wheel Shampoo

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

1.1. Product identifier

Product name Wheel Shampoo

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

Identified uses Wheel Cleaning Shampoo. Pre-Soak Foaming Vehicle Cleaner.

Uses advised against This product is not recommended for any other purpose than stated above.

1.3. Details of the supplier of the safety data sheet

Supplier

Revolutionary Protective Solutions Limited
Unit 21 2M Trade Park,
Beddow Way,
Aylesford,
Kent,
ME20 7BT
Tel: +44 (0) 1622 717755
info@r-p-solutions.co.uk

Contact person James Pound

1.4. Emergency telephone number

Emergency telephone As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Corr. 1A - H314

Environmental hazards Not Classified

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Contains	Anionic Surfactant
Detergent labelling	≥ 30% anionic surfactants, 5 - < 15% non-ionic surfactants, < 5% amphoteric surfactants, < 5% EDTA and salts thereof, < 5% perfumes, Contains Eugenol
Supplementary precautionary statements	P260 Do not breathe vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Anionic Surfactant **30-60%**

CAS number: 32612-48-9

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	-

Alcohols C9-11, ethoxylated **1-5%**

CAS number: 68439-46-3

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Eye Dam. 1 - H318	Xn;R22. Xi;R41.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE **1-5%**

CAS number: 64-02-8 EC number: 200-573-9 REACH registration number: 01-2119486762-27-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT RE 2 - H373	Xn;R22 Xi;R41

Sodium Hydroxide		**1-2%**
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	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

General information Move affected person to fresh air at once. Effects may be delayed. Keep affected person under observation. Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention.

Eye contact 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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Coughing, chest tightness, feeling of chest pressure.

Ingestion May cause chemical burns in mouth and throat. May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact May cause blurred vision and serious eye damage. Severe irritation, burning and tearing.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Oxides of the following substances: Carbon. Nitrogen. Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.

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

5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses. Ventilate closed spaces before entering them. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Use air-supplied respirator, gloves and protective goggles. 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

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Stop leak if possible without risk. DO NOT touch spilled material! Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material. Flush contaminated area with plenty of water. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid acids and combustible materials. Eye wash facilities and emergency shower must be available when handling this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep in cool, dry, ventilated storage and closed containers Store in closed original container at temperatures between 5°C and 25°C.
Storage class	Corrosive storage.

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

Occupational exposure limits

Anionic Surfactant

Long-term exposure limit (8-hour TWA): WEL 25 ppm 91 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 366 mg/m³

Sodium Hydroxide

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³
Short-term exposure limit (15-minute): WEL 2 mg/m³
WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

Anionic Surfactant (CAS: 32612-48-9)

DNEL Industry - Oral; : 2750 mg/kg/day

PNEC - Fresh water; 0.240 mg/l

Alcohols C9-11, ethoxylated (CAS: 68439-46-3)

Ingredient comments No exposure limits known for ingredient(s).

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL
Consumer - Oral; Long term systemic effects: 25 mg/kg/day
Consumer - Inhalation; Short term local effects: 1.5 mg/m³
Consumer - Inhalation; Short term systemic effects: 1.5 mg/m³
Industry - Inhalation; Short term systemic effects: 2.5 mg/m³
Industry - ; Short term local effects: 2.5 mg/m³

PNEC
- Fresh water; 2.2 mg/l
- Intermittent release; 1.2 mg/l
- Marine water; 0.22 mg/l
- STP; 43 mg/l
- Soil; 0.72 mg/kg

Sodium Hydroxide (CAS: 1310-73-2)

DNEL
Consumer - Inhalation; Short term local effects: 1 mg/m³
Industry - Inhalation; Short term local effects: 1 mg/m³
Industry - Inhalation; Long term local effects: 1 mg/m³

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If mechanical extraction methods are insufficient to maintain concentration of vapours below relevant WEL's, suitable protective equipment should be worn. Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Any person visiting an area where this product is handled or processed should at least wear safety glasses with side shields. 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	Gloves should be replaced immediately if signs of degradation are observed. The durability of PPE will vary according to use. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).
Other skin and body protection	Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.
Hygiene measures	Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Seek advice from supervisor on the company's respiratory protection standards.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Red.
Odour	Cherry
pH	pH (concentrated solution): ~13.5
Bulk density	~1
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	No relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react strongly with the product: Strong acids. Strong oxidising agents.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	Avoid freezing. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	9,487.68

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	62.66

General information	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Inhalation	Vapour may irritate respiratory system/lungs.
Ingestion	May cause severe internal injury.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	May cause blurred vision and serious eye damage.
Acute and chronic health hazards	This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Swallowing concentrated chemical may cause internal injury.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target organs	Eyes Gastro-intestinal tract Respiratory system, lungs Skin
Medical symptoms	Severe irritation, burning and tearing. Severe skin irritation. Gastrointestinal symptoms, including upset stomach.
Medical considerations	Skin disorders and allergies.

Toxicological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000.0
Species	Rat
ATE oral (mg/kg)	2,000.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	1.5

General information	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful
Skin contact	Irritating to skin.

Eye contact	Risk of serious damage to eyes.

Sodium Hydroxide

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000.0
Species	Rat

General information	The product shows the following dangers accroding to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Corrosive. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
Skin contact	Strong caustic effect on skin and mucous membranes.
Eye contact	Strong caustic effect.

SECTION 12: Ecological Information

Ecotoxicity Not classified as dangerous to the environment.

12.1. Toxicity

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Toxicity	EC 50 156 mg/l (Eisenia foetida foetida) (14d (OECD 207)) >100 mg/l (daphnia magna) (EU Risk Assessment 2004) EC 50 (24u) 532 mg/l (daphnia magna) (OECD 202) LC 50 (96u) 532 mg/l (Lepomis macrochirus) (OECD 203)

Sodium Hydroxide

Toxicity	Aquatic toxicity: EC 50 >100mg/l (daphnia) (OECD 202) EC 50 (48u) >156mg/l (daphnia) LC 50 (48u) >189mg/l (Leuciscus idus) (OECD 203) LC 50 (96u) >55.6mg/l (fish)

12.2. Persistence and degradability

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Persistence and degradability	Result: 5% (activated sludge; 400mg/l; Related to: Dissolved organic carbon (DOC); Exposure Time: 28 d)(OECD Test Guideline 302B) Kinetic data: <1%; 3 h

Sodium Hydroxide

Persistence and degradability	No further relevant information available.

12.3. Bioaccumulative potential

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Bioaccumulative potential No further relevant information available.

Sodium Hydroxide

Bioaccumulative potential No further relevant information available.

12.4. Mobility in soil

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Mobility No further relevant information available.

Adsorption/desorption coefficient COD-value: 260
BOD5-value: 50

Sodium Hydroxide

Mobility No further relevant information available.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Results of PBT and vPvB assessment Not applicable

Sodium Hydroxide

Results of PBT and vPvB assessment Not applicable

12.6. Other adverse effects

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Other adverse effects Water hazard class 2 (German Regulation): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities lead into the ground.

Sodium Hydroxide

Other adverse effects Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The packaging must be empty (drop-free when inverted).

Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging: Recover and reclaim or recycle. If practical.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X

Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL 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	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
EU legislation	Dangerous Preparations Directive 1999/45/EC. 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).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
Health and environmental listings	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
Risk phrases in full	R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure.
Revision date	**01/04/25**
Revision	**1**

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.

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