

SAFETY DATA SHEET

COUNTRY RANGE MACHINE GLASSWASH DETERGENT

Compiled in Accordance with EU and GB REACH and CLP Regulations.

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name	COUNTRY RANGE MACHINE GLASSWASH DETERGENT		
Product number	800-232-0002		
Internal identification	CRG744		
Container size	5 litres		
UFI	SA4C-G7AV-7N7Q-WASU		
1.2. Relevant identified uses of the substance or mixture and uses advised against			
Identified uses	Machine dishwashing detergent.		
Uses advised against	DO NOT use for hand dishwashing. Not for Oral Consumption.		
1.3. Details of the supplier of the	ne safety data sheet		
Supplier	www.countryrange.co.uk GB: The Country Range Group Ltd, 4 & 5, Jupiter House, Mercury Rise, Altham, Lancashire, BB5 5BY. +44 (0) 845 209 3777 EU: The Country Range Group, PO Box 246, NEWTOWNABBEY, BT36 9EZ. +44 (0) 845 209 3777		
Contact person	hello@countryrange.co.uk		
1.4. Emergency telephone nun	nber		
Emergency telephone	0845 209 3777 (Country Range)		
National emergency telephone number	In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24		
	Ireland: For information or to report a poisoning incident contact The National Poisons Information Centre (01 8092166)		
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture			

Classification (SI 2019 No. 720)		
Physical hazards	Not Classified	
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318	
Environmental hazards	Not Classified	
2.2. Label elements		

Hazard pictograms

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Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	 P260 Do not breathe vapour/ spray. P264 Wash contaminated skin thoroughly after handling. 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 or 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. P310 Immediately call a POISON CENTER/ doctor. P501 Dispose of contents/ container in accordance with national regulations.
Contains	SODIUM HYDROXIDE
Detergent labelling	< 5% non-ionic surfactants, < 5% polycarboxylates
Supplementary precautionary statements	P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P405 Store locked up.

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			
SODIUM HYDROXIDE		10-30%	
CAS number: 1310-73-2	EC number: 215-185-5		
Classification			
Met. Corr. 1 - H290			
Skin Corr. 1A - H314			
Eye Dam. 1 - H318			

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	Get medical attention immediately. Provide eyewash station and safety shower.
Inhalation	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately. For breathing difficulties, oxygen may be necessary.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.			
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.			
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.			
4.2. Most important symptoms	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. Chemical burns must be treated by a physician. Get medical attention immediately.			
Inhalation	Severe irritation of nose and throat. May cause an asthma-like shortness of breath.			
Ingestion	This product is corrosive. Small amounts may cause serious damage. May cause chemical burns in mouth, oesophagus and stomach.			
Skin contact	May cause serious chemical burns to the skin.			
Eye contact	This product is corrosive. A single exposure may cause the following adverse effects: Severe irritation, burning, tearing and blurred vision. Prolonged contact causes serious eye and tissue damage. Corneal damage.			
4.3. Indication of any immedia	te medical attention and special treatment needed			
Notes for the doctor	Treat symptomatically. Remove contaminated clothing immediately and wash skin with soap and water.			
SECTION 5: Firefighting meas	ures			
5.1. Extinguishing media				
Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.			
5.2. Special hazards arising fro	om the substance or mixture			
Specific hazards	In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Avoid contact with the following materials: Aluminium. Zinc. Avoid contact with water. May generate heat.			
5.3. Advice for firefighters				
Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.			
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.			
SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.			
6.2. Environmental precaution	<u>8</u>			
Environmental precautions	Avoid or minimise the creation of any environmental contamination. 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	Do not touch or walk into spilled material. Stop leak if safe to do so. Small Spillages: Flush away spillage with plenty of water. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely.		
6.4. Reference to other section	IS		
Reference to other sections	For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 1 for emergency contact information.		
SECTION 7: Handling and sto	rage		
7.1. Precautions for safe hand	ling		
Usage precautions	Avoid contact with skin and eyes. Avoid spilling. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid the formation of mists. Provide adequate ventilation. Do not mix with other chemicals or detergents.		
Advice on general occupational hygiene	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.		
7.2. Conditions for safe storag	e, including any incompatibilities		
Storage precautions	Store in tightly-closed, original container in a well-ventilated place. Store away from the following materials: Acids. Oxidising materials.		
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 control	s/Personal protection		
8.1. Control parameters			
Occupational exposure limits			
SODIUM HYDROXIDE			
Short-term exposure limit (15-minute): WEL 2 mg/m³ WEL = Workplace Exposure Limit.			
	SODIUM HYDROXIDE (CAS: 1310-73-2)		
DNEL	Industry - Inhalation; Long term local effects: 1.0 mg/m ³ Consumer - Inhalation; Long term local effects: 1.0 mg/m ³		
Ē	-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES (CAS: 68515-73-1)		
DNEL	Workers - Inhalation; Long term systemic effects: 420 mg/m ³ Workers - Dermal; Long term systemic effects: 595000 mg/kg/day General population - Inhalation; Long term systemic effects: 124 mg/m ³ General population - Dermal; Long term systemic effects: 357000 mg/kg General population - Oral; Long term systemic effects: 35.7 mg/kg		

PNEC

- Fresh water; 0.176 mg/l
- marine water; 0.0176 mg/l
- Intermittent release; 0.27 mg/l
- STP; 560 mg/l
- Sediment (Freshwater); 1.516 mg/l
- Sediment (Marinewater); 0.152 mg/l

8.2. Exposure controls

Protective equipment





Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Personal protection	This is not a Risk/COSHH assessment. Information contained in this document should be used to conduct a risk assessment. Information given in this document relates to the neat product as supplied. In use solutions are likely to have extreme pH values, thus use of gloves and eye protection is recommended where the assessment indicates a risk of exposure.
Eye/face protection	During the manufacture and filling of this product eye protection is recommended refer to EN166. In normal use, eye protection should be used if there is risk of eye contact (for examples splashing, dripping or leaking pumps/hoses).
Hand protection	Wear protective gloves. Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Provide eyewash station and safety shower. 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.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Particulate filter, type P2. Particulate filters should comply with European Standard EN143.
Environmental exposure controls	Avoid releasing into the environment. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	No characteristic odour.
рН	pH (concentrated solution): >13.5
Melting point	Not applicable.
Initial boiling point and range	90 - 105 Degrees C.
Flash point	Not applicable.

Evaporation rate	Not applicable.		
Evaporation factor	Not applicable.		
Upper/lower flammability or explosive limits	The product is not flammable or explosive.		
Vapour pressure	Not determined.		
Vapour density	Not applicable.		
Relative density	~1.185 @ 20 Degrees C.		
Bulk density	Not applicable.		
Solubility(ies)	Soluble in water.		
Partition coefficient	Not technically possible for a mixture.		
Auto-ignition temperature	Not applicable.		
Decomposition Temperature	Not applicable.		
Viscosity	No information available.		
Explosive properties	Not applicable.		
Explosive under the influence of a flame	Not considered to be explosive.		
Oxidising properties	Does not meet the criteria for classification as oxidising.		
Comments	Information given is applicable to the product as supplied.		
9.2. Other information			
Other information	Not relevant.		
SECTION 10: Stability and rea	activity		
10.1. Reactivity			
Reactivity	Reactions with the following materials may generate heat: Water. Strong acids. In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Avoid contact with the following materials: Aluminium. Zinc. Tin.		
10.2. Chemical stability			
Stability	Stable at normal ambient temperatures.		
10.3. Possibility of hazardous reactions			
Possibility of hazardous reactions	The following materials may react violently with the product: Chlorohydrocarbons. Acids. Reactions with the following materials may generate heat: Water.		
10.4. Conditions to avoid			
Conditions to avoid	Avoid excessive heat for prolonged periods of time.		
10.5. Incompatible materials			
Materials to avoid	Acids. Ammonia. Chlorinated hydrocarbons. Aluminium. Tin. Zinc.		
10.6. Hazardous decomposition	on products		
Hazardous decomposition products	Hydrogen.		
SECTION 11: Toxicological in	formation		

11.1. Information on toxicologi	cal effects		
Toxicological effects	Information given is based on data of the components and of similar products.		
Other health effects	There is no evidence that the product can cause cancer.		
Acute toxicity - oral Notes (oral LD₅₀)	Estimated value. No specific test data are available. Based on available data the classification criteria are not met.		
Acute toxicity - dermal Notes (dermal LD₅o)	Based on available data the classification criteria are not met.		
Acute toxicity - inhalation Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.		
Skin corrosion/irritation Skin corrosion/irritation	Causes severe burns. Calculation method.		
Serious eye damage/irritation Serious eye damage/irritation	Corrosivity to eyes is assumed.		
Respiratory sensitisation Respiratory sensitisation	Not sensitising. Based on available data the classification criteria are not met.		
Skin sensitisation Skin sensitisation	Based on available data the classification criteria are not met.		
Germ cell mutagenicity Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.		
Carcinogenicity Carcinogenicity	Does not contain any substances known to be carcinogenic.		
Reproductive toxicity Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.		
Specific target organ toxicity - single exposure			
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.		
Specific target organ toxicity -	repeated exposure		
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.		
General information	Corrosive to skin and eyes.		
Inhalation	Spray/mists may cause respiratory tract irritation. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.		
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.		
Skin contact	May cause serious chemical burns to the skin. Repeated exposure may cause skin dryness or cracking.		
Eye contact	Causes burns. A single exposure may cause the following adverse effects: Corneal damage. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.		

11.1. Information on toxicological effects

Toxicological information on ingredients.

SODIUM HYDROXIDE

			SODIOMITTERCAIDE
	Acute toxicity - oral		
	Acute toxicity oral (LC mg/kg)) ₅₀	2,000.0
	Species		Rat
	Acute toxicity - derma	al	
	Acute toxicity dermal mg/kg)	(LD50	2,000.1
	Species		Rabbit
	Skin corrosion/irritatio	on	
	Skin corrosion/irritatio	n	Burning pain and severe corrosive skin damage.
	Serious eye damage/	irritatio	<u>on</u>
	Serious eye damage/irritation		Causes serious eye damage.
	Skin sensitisation		
	Skin sensitisation		Not sensitising.
SECTION 12	2: Ecological information	on	
Ecotoxicity	The	ere are	e no data on the ecotoxicity of this product.
Ecological ir	nformation on ingredier	nts.	
SODIUM HYDROXIDE			
	Ecotoxicity		The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
12.1. Toxicit	У		
Toxicity		e produ ganism	uct may affect the acidity (pH) of water which may have hazardous effects on aquatic s.
Acute aquat	ic toxicity		
Acute toxicit	y - aquatic plants Ma	iy caus	se long lasting harmful effects to aquatic life.
Acute toxicity - terrestrial Can cause dam		n caus	e damage to vegetation.
Ecological information on ingredients.			
			SODIUM HYDROXIDE
	Acute aquatic toxicity		
	Acute toxicity - fish Acute toxicity - aquatic invertebrates		REACH dossier information. LC₅₀, 96 hours: < 180 mg/l, Freshwater fish
			EC₅₀, 48 hours: 40.4 mg/l, Freshwater invertebrates
	Chronic aquatic toxici	ity	
	Chronic toxicity - fish life stage	early	Not available.

Chronic toxicity - aquatic Not available. invertebrates

12.2. Persistence and degradability

Persistence and degradability Degrades very slowly in nature.

Ecological information on ingredients.

SODIUM HYDROXIDE

Persistence andThe product contains inorganic substances which are not biodegradable.degradability

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Not technically possible for a mixture.

Ecological information on ingredients.

SODIUM HYDROXIDE

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is water-soluble and may spread in water systems.

Ecological information on ingredients.

SODIUM HYDROXIDE

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

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

Ecological information on ingredients.

SODIUM HYDROXIDE

Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current UK criteria. **assessment**

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

SODIUM HYDROXIDE

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. The packaging must be empty (drop-free when inverted). Wash with plenty of water. Dispose of waste via a licensed waste disposal contractor. Normal use solutions are expected to be flushed to sewers.	
SECTION 14: Transport inform	nation	
14.1. UN number		
UN No. (ADR/RID)	1824	
UN No. (IMDG)	1824	
UN No. (ICAO)	1824	
UN No. (ADN)	1824	
14.2. UN proper shipping name		
Proper shipping name (ADR/RID)	SODIUM HYDROXIDE SOLUTION	
Proper shipping name (IMDG)	SODIUM HYDROXIDE SOLUTION	
Proper shipping name (ICAO)	SODIUM HYDROXIDE SOLUTION	
Proper shipping name (ADN)	SODIUM HYDROXIDE SOLUTION	
14.3. Transport hazard class(es)		
ADR/RID class	8	
ADR/RID classification code	C5	
ADR/RID label	8	
IMDG class	8	
ICAO class/division	8	
ADN class	8	
Transport labels		
14.4. Packing group		
ADR/RID packing group	II	
IMDG packing group	II	
ICAO packing group	II	
ADN packing group	II	
14.5. Environmental hazards		
Environmentally hazardous substance/marine pollutant No.		
14.6. Special precautions for user		
EmS	F-A, S-B	
ADR transport category	2	

Emergency Action Code	2R	
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		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
SECTION 15: Regulatory infor	mation	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		
National regulations	GB (UK) CLP and REACH Regulations. The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). Control of Pollution (Special Waste) Regulations 1980 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits. The Hazardous Waste Regulations 2005. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended). The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as 2019 No. 696) (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).	
EU legislation Guidance	European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended) European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended) European Regulation (EC) No 648/2004 on detergents (as amended) Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006, COSHH Essentials. Technical Guidance WM2: Hazardous Waste. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets.	
	Workplace Exposure Limits EH40.	

15.2. Chemical safety assessment

A Chemical Safety Assessment (CSA) has been completed for Sodium hydroxide. Currently we do not have information from our suppliers about this.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	EWC European Waste Catalogue STOT RE = Specific target organ toxicity-repeated exposure PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. PNEC: Predicted No Effect Concentration. DNEL: Derived No Effect Level.
General information	Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision. Revised formulation.
Revision date	31/08/2022
Revision	5
Supersedes date	06/07/2018
SDS number	22658
Risk phrases in full	R22 Harmful if swallowed. R35 Causes severe burns. R41 Risk of serious damage to eyes.
Hazard statements in full	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.