

CLEENOL

For a cleaner, safer world

SAFETY DATA SHEET CLEENOL YELLOW LABEL WASHAID

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

1.1. Product identifier

Product name CLEENOL YELLOW LABEL WASHAID

Internal identification 020784/2X5RS, 020284RS

Container size 2x5L, 20L

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

Identified uses Commercial and industrial machine dishwasher detergent.

1.3. Details of the supplier of the safety data sheet

Supplier Cleenol Group Ltd
Neville House
Beaumont Road
Banbury
Oxon OX16 1RB
UK
Tel: +44 (0)1295 251721
sales@cleenol.co.uk

1.4. Emergency telephone number

Emergency telephone 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 (UK only).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1 - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

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Precautionary statements	<p>P234 Keep only in original packaging.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P363 Wash contaminated clothing before reuse.</p>
Contains	SODIUM METASILICATE, (1-hydroxyethylidene)bisphosphonic acid, sodium salt
Supplementary precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>P405 Store locked up.</p> <p>P406 Store in a corrosion-resistant container with a resistant inner liner.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM METASILICATE	5-10%
CAS number: 10213-79-3	EC number: 229-912-9
	REACH registration number: 01-2119449811-37-XXXX
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
(1-hydroxyethylidene)bisphosphonic acid, sodium salt	5-10%
CAS number: 29329-71-3	EC number: 249-559-4
Classification	
Acute Tox. 4 - H302	
Eye Irrit. 2 - H319	
(1-hydroxyethylidene)bisphosphonic acid, potassium salt	5-10%
CAS number: 67953-76-8	
Classification	
Acute Tox. 4 - H302	

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SODIUM HYDROXIDE		<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
Classification		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Unlikely route of exposure as the product does not contain volatile substances.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

Inhalation	The product is considered to be a low hazard under normal conditions of use. No adverse effects known.
Ingestion	Corrosive. Harmful if swallowed. May cause severe internal injury.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	No specific recommendations.
Specific treatments	Treat symptomatically.

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.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Corrosive gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Flush contaminated area with plenty of water. Following dilution, discharge to the sewer with plenty of water may be permitted. Avoid the spillage or runoff entering drains, sewers or watercourses.

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 For professional users only. Avoid spilling. Avoid contact with skin, eyes and clothing.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Container must be kept tightly closed when not in use.

Storage class Chemical storage. Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2. Refer to Product Use Guide (PUG) for further information.

SECTION 8: Exposure controls/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 METASILICATE (CAS: 10213-79-3)

DNEL	Workers - Dermal; Long term : 1.49 mg/kg/day Workers - Inhalation; Long term : 6.22 mg/m ³ Consumer - Dermal; Long term : 0.74 mg/kg/day Consumer - Inhalation; Long term : 1.55 mg/m ³ Consumer - Oral; Long term : 0.74 mg/kg/day
PNEC	Fresh water; 7.5 mg/l marine water; 1 mg/l Water, Intermittent release; 7.5 mg/l STP; 1000 mg/l

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls	Not applicable.
Eye/face protection	Wear eye protection.
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Nitrile rubber. Rubber (natural, latex). Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC).
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.
Respiratory protection	Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Odourless.
pH	pH (concentrated solution): 12.5 - 13.5
Initial boiling point and range	100°C @ 760 mm Hg
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Relative density	~ 1.19 @ 20°C
Solubility(ies)	Soluble in water.
Viscosity	Non-viscous.
Explosive properties	Not applicable.
Explosive under the influence of a flame	No
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Refractive index	26 - 28
Volatility	Not applicable.
Volatile organic compound	This product contains a maximum VOC content of <1 %.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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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 None known.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with acids.

10.5. Incompatible materials

Materials to avoid No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

ATE oral (mg/kg) 4,166.67

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Inhalation No adverse effects known.

Ingestion Corrosive. Harmful: possible risk of irreversible effects if swallowed.

Skin contact Harmful in contact with skin.

Eye contact Corrosive. May cause serious eye damage.

Medical considerations Pre-existing eye problems.

Toxicological information on ingredients.

(1-hydroxyethylidene)bisphosphonic acid, sodium salt

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,100.0

Species Rat

ATE oral (mg/kg) 500.0

(1-hydroxyethylidene)bisphosphonic acid, potassium salt

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,850.0

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Species	Rat
ATE oral (mg/kg)	500.0

SECTION 12: Ecological information

Ecotoxicity The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

Toxicity The product is not believed to present a hazard due to its physical nature.

12.2. Persistence and degradability

Persistence and degradability The product contains mainly inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted.

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. (DISODIUM METASILICATE, SODIUM HYDROXIDE)
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. (DISODIUM METASILICATE, SODIUM HYDROXIDE)
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. (DISODIUM METASILICATE, SODIUM HYDROXIDE)
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. (DISODIUM METASILICATE, SODIUM HYDROXIDE)

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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
ICAO packing group	III
ADN 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

Transport in bulk according to Annex II of MARPOL 73/78 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

EU legislation

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).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

Guidance

EH40/2005 Workplace exposure limits

Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended)

Health and Safety Executive

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Regulatory Chemist
Revision date	27/04/2021
Revision	19
Supersedes date	18/03/2021
SDS number	10409
Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

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.