



Powder and Liquid Products Limited
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Section 1. Identification of the substance/Preparation

Best in fresh Thick Bleach

Bleach

In the event of an emergency please call 0800 0181217 manned during office hours or call Local Poison Control Centre
 Competent person responsible for Safety Data sheets - Matthew Parr – Technical Director (Matthew@plp.co.uk)

Section 2. Hazards Identification

This preparation is not classified as dangerous according to Directive 1999/45/EC
 THIS PRODUCT CAN BE USED SAFELY WHEN USED AS DIRECTED AND WHEN APPLICABLE SAFETY PRECAUTIONS ARE FOLLOWED

Contact with acids liberates toxic gas R31

Ingestion – May cause transient gastrointestinal irritation with nausea, vomiting and/or diarrhoea

Eye contact – Irritating to eyes R36

Skin contact – Irritating to skin R38

Inhalation - None

Section 3. Composition/information on ingredients

Bleach formulation

Component	INCI	CAS	EINECS	% Range	Hazard	Risk
Chlorine based bleaching agent	Sodium Hypochlorite	7681-52-9	231-668-3	1.0-5.0	C	31 34
Sodium Hydroxide	Sodium Hydroxide	1310-73-2	215-185-5	0.1-1.0	C	35
Anionic Surfactants	Sodium Laureth Sulfate	68585-34-2	500-223-8	0.1-1.0	Xi	36/38 41
Nonionic surfactants	Alkyl Dimethylamine oxide	61788-90-7	263-016-9	0.1-1.0	Xi	36,38,41
Perfume	Parfum	N/A	N/A	0-0.1	Xn	10,65,52/53
Preservative - None						

Section 4. First Aid Measures

Immediate medical attention is not usually required unless ingested

Inhalation – Move to fresh air.

Ingestion - In case of swallowing, seek medical advice immediately and show container or label. (S46) Do not induce vomiting

Skin Contact – Remove contaminated clothing and product and flush with plenty of water

Eyes Contact – Flush with large quantities of water for minimum of 15 minutes, if irritation persists seek medical advice

Other information – Consumer packages have a caution statement. KEEP OUT OF REACH OF CHILDREN

Section 5. Fire-Fighting Measures

Suitable extinguishing media – The product is not combustible, CO₂, water or dry chemical may be used.

Extinguishing media which shall not be used for safety reasons – Not applicable

Special Exposure hazards –Combustion products: Carbon Monoxide, Carbon Dioxide, traces of incomplete burned organic compounds

Special protective equipment for firefighters – Use self contained breathing apparatus

Section 6. Accidental Release Measures

Personal precautions – Avoid eye and skin contact.

Environmental precautions – Prevent spillage of large quantities of undiluted product in surface or groundwater.

Cleaning methods –Absorb in earth or sand. Dispose contaminated material as waste according to item 13.

Section 7. Handling and Storage

Handling

Information for safe handling including advice on technical measures - Avoid eye and skin contact.

Information about fire and explosion protection – No special measurements required

Storage

Requirements to be met by storerooms and receptacles – No special measurements required

Further information - Keep out of reach of children. Store in a cool, dry place.

Section 8. Exposure controls/ Personal Protection

Notes – This section mainly applies to the product when used in an industrial setting

Respiratory protection – Not necessary.

Hand protection – Protective gloves (rubber, neoprene) should be used for any prolonged direct contact

Eye protection – If a splash of product in solution is likely, chemical goggles may be needed

Skin protection – Protective

Section 9. Physical and Chemical Properties

General information:

Physical State Viscous straw Liquid - Clear

Odour Perfumed - Citrus

Health safety and environmental information:		
pH	Neat ~14	Relative density 1.055 typical
Boiling point /boiling range	Not applicable	Solubility Mostly soluble at 20°C
Flash point	Not applicable	Water solubility miscible
Flammability	Not applicable	Viscosity Not applicable
Explosive properties	Not applicable	Vapour density Not applicable
Oxidising properties	Not applicable	Evaporation rate Not applicable
Vapour pressure	Not applicable	Other information
Section 10. Stability and Reactivity		
Stability	Product is stable	
Conditions to avoid	Avoid excessive heat / Open flame	
Materials to avoid	None known	
Hazardous decomposition products	None known	
Section 11. Toxicological information		
Inhalation	Low potential for inhalation irritancy	
Ingestion	Low potential for ingestion irritancy	
Skin Contact	potential for skin irritancy; skin sensitisation potential	
Eyes Contact	potential for eye irritancy.	
Repeated exposure	Low order of toxicity upon repeated exposure	
Section 12. Ecological information		
Ecotoxicity	Surfactants in this product are biodegradable	
Remarks	Rapidly biodegradable under aerobic and anaerobic conditions. The level of biodegradation in both conditions is >70%. Its removal in municipal sewage treatment is expected to be >99%.	
Section 13. Disposal Information		
Disposal is to be performed in compliance with all government and local regulations		
Product Recommendation – Consumer produced household solutions may be disposed of to sewer.		
Packaging recommendation – The packaging may be recycled		
Section 14. Transport Information		
The finished product is non-hazardous for transport		
Section 15. Regulatory information		
Health, safety and environmental information according to Directives 67/548/EEC and 1999/45/EC		
Supply classification: Xi - Irritant		
Hazard pictogram: ☒ St Andrews Cross		
Risk phases: R31- Contact with acids liberates toxic gas, R36/38 – Irritating to eyes and skin		
Safety phases: S2- Keep out of the reach of children, S3 – Store upright in a cool place, S24/25 – Avoid contact with skin and eyes, S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S46 – If swallowed, seek medical advice immediately and show this container or label. S49 – Keep only in original container, S50 – Do not mix with other products. May release dangerous gases (Chlorine)		
Always rinse and dry hands thoroughly after use.		
Section 16. Other information		
Created: 140305		
Risk Phrases (compositional information)		
R10 – Flammable R31 – Contact with acids liberates toxic gas R34 – Causes burns R35 – Causes severe burns R36 – Irritating to eyes R38 – Irritating to skin R41 – Risk of serious damage to eyes	R52/53 – Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment R36/38 – Irritating to eyes and skin R65 – may cause lung damage if swallowed	
The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health. The information contained herein has been compiled from sources considered by PLP Ltd to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. PLP Ltd assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.		
Annex – Exposure Scenarios		
Oral	Dermal	Inhalation
Accidental	Accidental	Not Expected