

# Cleanux Chemicals Ltd

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Process Heading	Product Specification
Process Owner	R&D Dept.
Reference	CLE01-TBL
Created By	Richard Jedrocha
Signature	
Date	05/02/2020

## THICK BLEACH

### Ingredients:

Ingredients	Source	Country of Origin	Level %
Sodium Hypochlorite	Synthetic	UK	>30 <40%
Sodium Lauryl Ether Sulphate 2-3 moles Ethylene Oxide, 27-28% active	Synthetic	UK	>6 <10%
Sodium hydroxide	Synthetic	UK	0.4%

### Information on Basic Physical and Chemical Properties

State	Viscous Liquid
Colour	Yellow
Odour	Characteristic
pH	14
Freezing Point	-4
Boiling Point	105

### RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses	Disinfectant
HAZARDS IDENTIFICATION	

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification – 1999/45/EC	EYE IRRIT. 2 H319
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Main Hazards	IRRITATING TO EYES
LABEL ELEMENTS	
Symbols	
Signal word	WARNING
Hazard statement	H315 CAUSES SKIN IRRITATION H319- CAUSES SERIOUS EYE IRRITATION
Precautionary Statement: Prevention	P102-KEEP OUT OF REACH OF CHILDREN. P 15- RESTRICTED TO PROFESSIONAL USERS.
Precautionary Statement: Response	P301+P330+P331- IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P302+350- IF ON SKIN: GENTLY WASH WITH PLENTY OF SOAP AND WATER. P305+P351+P338- IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND

OTHER HAZARDS

Other hazards	Contact with acids liberates toxic gas
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COMPOSITION/INFORMATION ON INGREDIENTS

Name	Range	EC No	CAS No	Reach No/Submission No	Classification according to 67/548/EEC
SODIUM HYPOCHLORITE 1415%	1-10%	231-668-3	7681-52-9		H315; H400

FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Inhalation	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). IN CASE OF ACCIDENT BY INHALATION: REMOVE CASUALTY TO FRESH AIR AND KEEP AT REST.
Eye contact	RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES.
Skin Contact	RINSE IMMEDIATELY WITH PLENTY OF WATER
Ingestion	DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS)

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Inhalation	INHALATION MAY CAUSE NAUSEA AND VOMITING.
Eye contact	IRRITATING TO EYES
Skin Contact	IRRITATING TO SKIN
Ingestion	INGESTION MAY CAUSE NAUSEA AND VOMITING

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Inhalation	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE) REMOVE THE EFFECTED PERSON FROM THE SOURCE OF CONTAMINATION IMMEDIATELY.
Eye contact	IRRITATING TO EYES. BATHE THE EYE WITH RUNNING WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
Skin Contact	IRRITATING TO SKIN. RINSE IMMEDIATELY WITH PLENTY OF WATER.
Ingestion	INGESTION MAY CAUSE NAUSEA AND VOMITING, RINSE MOUTH THOROUGHLY. DRINK 1 TO 2 GLASSES OF WATER

**GENERAL INFORMATION**

	AVOID CONTACT WITH EYES AND SKIN. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE)
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**ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.
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**ENVIRONMENTAL PRECAUTIONS**

	ADVISE LOCAL AUTHORITIES IF LARGE SPILLS CANNOT BE CONTAINED.
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**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

	SMALL SPILLAGES UNDER 5 LITRES FLUSH AWAY WITH PLENTY OF WATER. LARGER SPILLAGE ABSORB WITH INERT, ABSORBENT MATERIAL. COLLECT AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINERS AND SEAL SECURELY.
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**REFERENCE TO OTHER SECTIONS**

	FOR PERSONAL PROTECTION, SEE SECTION 8, FOR WASTE DISPOSAL SEE SECTION 13.
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**HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

	ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. AVOID CONTACT WITH EYES AN SKIN. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP OUT OF REACH OF CHILDREN.
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**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

	MAY RELEASE DANGEROUS GASES (CHLORINE) Do NOT MIX WITH ANY OTHER PRODUCTS. KEEP ONLY IN THE ORIGINAL CONTAINER.
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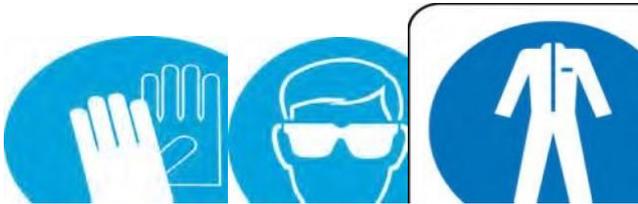
**SPECIFIC END USE(S)**

	THE IDENTIFIED USES FOR THIS PRODUCT ARE DETAILED IN SECTION 1.2.
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**EXPOSURE LIMIT VALUES**

Sodium Hypochlorite 1415%	WEL 8HR LIMIT PPM:	WEL 8-HR LIMIT MG/M3:
	WEL 15 MIN LIMIT PPM: 2MG/M3	WEL 15 MIN LIMIT MG/M3

**EXPOSURE CONTROLS**

	
Appropriate engineering controls	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA
Individual protection measures	AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION.
Eye/face protection	SAFETY GLASSES
Skin protection	RUBBER GLOVES
Hand protection	WEAR SUITABLE GLOVES
Skin protection – other	AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION.
Respiratory protection	NOT NORMALLY REQUIRED
Thermal hazards	CHLORINE
Environmental exposure	NOT NORMALLY REQUIRED

controls Occupational exposure controls	NOT NORMALLY REQUIRED.
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## STABILITY AND REACTIVITY

### REACTIVITY

	ACIDS, ALKALI METALS, AMMONIA, COPPER AND ITS ALLOYS, ORGANIC MATERIALS, STRONG OXIDISING AGENTS
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### CHEMICAL STABILITY

	DO NOT ALLOW TO FREEZE. STABLE UNDER NORMAL CONDITIONS
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### POSSIBILITY OF HAZARDOUS REACTIONS

	CONTACT WITH ACIDS LIBERATES TOXIC GAS. OXIDISING AGENT
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### CONDITIONS TO AVOID

	HEAT WILL INCREASE PRESSURE IN SEALED CONTAINER.
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### INCOMPATIBLE MATERIALS

	ACIDS, ALKALI METALS. CONTAC WITH ACIDS LIBERATES TOXIC GAS (CHLORINE)
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### HAZARDOUS DECOMPOSITION PRODUCTS

	CHLORINE
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## TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity	NO DATA AVAILABLE
Skin corrosion/irritation	CAUSE IRRITATION TO SKIN
Serious eye damage/irritation	CAUSE IRRITATION TO EYES.
Respiratory or skin sensitisation	MAY CAUSE SENSITISATION BY INHALATION AND SKIN CONTACT.
Germ cell mutagenicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Carcinogenicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Reproductive toxicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
STOT-single exposure	NO DATA IS AVAILABLE ON THIS PRODUCT.
STOT-repeated exposure	NO DATA IS AVAILABLE ON THIS PRODUCT.
Toxicological Information	NO DATA AVAILABLE

## DISPOSAL CONSIDERATIONS

## WASTE TREATMENT METHODS

	DISCHARGE USED SOLUTIONS TO DRAIN. SMALL AMOUNTS (LESS THAN 5 LITRES) OF UNWANTED PRODUCT MAY BE FLUSHED WITH WATER TO SEWER. LARGE VOLUMES MUST BE SENT FOR DISPOSAL AS SPECIAL WASTE. RINSE OUT EMPTY CONTAINER WITH WATER AND CONSIGN TO NORMAL WASTE.
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## GENERAL INFORMATION

	THIS PRODUCT IS CONSIDERED AS NON HAZARDOUS
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## DISPOSAL METHODS

	LOCAL AND NATIONAL REGULATIONS. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.
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## DISPOSAL OF PACKAGING

	EMPTY CONTAINERS CAN BE CLEANED WITH WATER. EMPTY CONTAINERS CAN BE SENT FOR DISPOSAL OR RECYCLING.
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## TRANSPORT INFORMATION

ADR/RID	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.
IMDG	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.
IATA	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.

## REGULATORY INFORMATION

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulations	<p>COMMISSION REGULATION (EU) No 453/2010 OF 20 MAY 2010 AMENDING REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVE 91/155/EEC, 93/67/EEC, 93/105EC AND 2000/21/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) ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVES 91/155/EEC, 93/67/EEC AND 2000/21/EC</p>
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