

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

1.1 Product identifier

Product name

Hospec® EXPERT CLEANING General Purpose
THIN BLEACH

Product No.0018000017

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

Identified uses:

For general cleaning and disinfecting purposes and for bleaching fabrics

Uses advised against:

Do not mix with other household chemicals particularly those containing acids.

1.3 Details of the supplier of the safety data sheet

Manufacturer

McBride Plc MIDDLETON
Middleton Way, Middleton
M24 4DP MANCHESTER
UK

Telephone: + 44 (0) 161 653 9037

Website: <http://www.detergentinfo.com>

E-mail: product.legislation@mcbride.eu

1.4 Emergency telephone number: UK + 44 (0) 161 653 9037

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Health Hazards

Skin irritation

Category 2

H315: Causes skin irritation.

Serious eye irritation

Category 2

H319: Causes serious eye irritation.

Environmental Hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label Elements



Signal Word: Warning

Hazard Statement(s):
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

General advice: P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children.

Prevention: P273: Avoid release to the environment. P264: Wash hands thoroughly after handling.

Response: P302+P352: IF ON SKIN: Wash with plenty of 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.
 P337+P313: If eye irritation persists: Get medical advice/attention.

Disposal: P501: Dispose of contents/container in accordance with local requirements for domestic waste disposal.

Supplemental information

EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3 Other hazards

PBT/vPvB data

Based on available data, the classification criteria are not met.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
SODIUM HYPOCHLORITE	1 - <2.5%	7681-52-9	231-668-3	01-2119488154-34;	Aquatic Toxicity (Acute): 10; Aquatic	

					Toxicity (Chronic): 1	
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* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
SODIUM HYPOCHLORITE	Classification: Met. Corr.: 1: H290; STOT SE: 3: H335; Eye Dam.: 1: H318; Skin Corr.: 1B: H314; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410; Supplemental label information: None known.	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of necessary first-aid measures

Inhalation:	Move to fresh air.
Skin Contact:	Flush skin thoroughly with water. Get medical attention if irritation persists after washing.
Eye contact:	No data available.
Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
Personal Protection for First-aid Responders:	No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Mildly irritating to skin with prolonged exposure. If mixture comes into contact with eyes may cause mild irritation.
Hazards:	No special precautionary health measures should be needed under anticipated conditions of use.

4.3 Indication of immediate medical attention and special treatment needed

Treatment:	Get medical attention if symptoms occur.
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SECTION 5: Firefighting measures

General Fire Hazards:	No unusual fire or explosion hazards noted.
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5.1 Extinguishing media

Suitable extinguishing media:	Extinguish with foam, carbon dioxide, dry powder or water fog.
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Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the substance or mixture:	During fire, gases hazardous to health may be formed.
5.3 Advice for firefighters	
Special fire-fighting procedures:	Wear self-contained breathing apparatus and protective clothing.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with eyes and prolonged or repeated contact with skin.
6.1.1 For non-emergency personnel:	See Section 8 of the SDS for Personal Protective Equipment.
6.1.2 For emergency responders:	No data available.
6.2 Environmental Precautions:	Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
6.3 Methods and material for containment and cleaning up:	Dike far ahead of larger spill for later recovery and disposal. Absorb with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Stop the flow of material, if this is without risk.
6.4 Reference to other sections:	No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures (e.g. Local and general ventilation):	No data available.
Safe handling advice:	Provide adequate ventilation. Avoid contact with eyes. Avoid contact with skin. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Use only as directed.
Contact avoidance measures:	No data available.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Store away from incompatible materials. Store in original tightly closed container.

Safe packaging materials: No data available.

7.3 Specific end use(s): For general cleaning and disinfecting purposes and for bleaching fabrics

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: If risk of splashing, wear safety goggles or face shield.

Hand Protection: Material: Use suitable protective gloves if risk of skin contact.

Skin and Body Protection: Wear appropriate clothing to prevent reasonably probable skin contact.

Respiratory Protection: Not relevant, due to the form of the product.

Hygiene measures: Avoid contact with eyes. Avoid contact with skin. Wash hands thoroughly after handling.

Environmental Controls: No eSDS available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid

Form: liquid

Color: Colorless

Odor: unperfumed

Odor Threshold: No data available.

Freezing point: < 32.00 °F/0.00 °C

Boiling Point: > 158.00 °F/70.00 °C

Flammability: No data available.
Upper/lower limit on flammability or explosive limits
Explosive limit - upper: No data available.
Explosive limit - lower: No data available.
Flash Point: > 141.80 °F/61.00 °C
Self Ignition Temperature: No data available.
Decomposition Temperature: No data available.
pH: > 11.40

Viscosity
Dynamic viscosity: No data available.
Kinematic viscosity: No data available.
Flow Time: No data available.

Solubility(ies)
Solubility in Water: No data available.
Solubility (other): No data available.
Dissolution Rate: No data available.

Partition coefficient (n-octanol/water): No data available.
Dispersion Stability: No data available.

Vapor pressure: No data available.
Relative density: 1.0250
Density: No data available.
Bulk density: No data available.
Relative vapor density: No data available.

9.2 Other information

Metal Corrosion: >= 0.00 mm/a
VOC Content: EC Directive 2010/75/EU: 10.33 g/l ~1.03 % (calculated)

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability: Material is stable under normal conditions.
10.3 Possibility of hazardous reactions: None under normal conditions.
10.4 Conditions to avoid: Avoid heat or contamination. Do not freeze.

- 10.5 Incompatible Materials:** Strong acids. Strong oxidizing substances. Strong bases.
- 10.6 Hazardous Decomposition Products:** By fire, toxic gases may be formed (COx, NOx).

SECTION 11: Toxicological information

Information on likely routes of exposure

- Inhalation:** None under normal conditions.
- Skin Contact:** Causes skin irritation.
- Eye contact:** Causes serious eye irritation.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

11.1 Information on toxicological effects

Acute toxicity

Oral

- Product:** Not classified for acute toxicity based on available data.
- Components:**
SODIUM
HYPOCHLORITE
Based on available data, the classification criteria are not met.

Dermal

- Product:** Not classified for acute toxicity based on available data.
- Components:**
SODIUM
HYPOCHLORITE
Based on available data, the classification criteria are not met.

Inhalation

- Product:** Not classified for acute toxicity based on available data.
- Components:**
SODIUM
HYPOCHLORITE
Based on available data, the classification criteria are not met.

Repeated dose toxicity

- Product:** Based on available data, the classification criteria are not met.
- Components:**
SODIUM
HYPOCHLORITE
Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation:

- Product:** Causes skin irritation.
- Components:**
SODIUM
HYPOCHLORITE
Causes severe skin burns and eye damage.

Serious Eye Damage/Eye**Irritation:**

Product: Causes serious eye irritation.

Components:
SODIUM Causes serious eye damage.
HYPOCHLORITE

Respiratory or Skin**Sensitization:**

Product: Based on available data, the classification criteria are not met.

Components:
SODIUM Based on available data, the classification criteria are not met.
HYPOCHLORITE

Germ Cell Mutagenicity**In vitro**

Product: Based on available data, the classification criteria are not met.

Components:
SODIUM Based on available data, the classification criteria are not met.
HYPOCHLORITE

In vivo

Product: Based on available data, the classification criteria are not met.

Components:
SODIUM Based on available data, the classification criteria are not met.
HYPOCHLORITE

Carcinogenicity

Product: Based on available data, the classification criteria are not met.

Components:
SODIUM Based on available data, the classification criteria are not met.
HYPOCHLORITE

Reproductive toxicity

Product: Based on available data, the classification criteria are not met.

Components:
SODIUM Based on available data, the classification criteria are not met.
HYPOCHLORITE

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Components:
SODIUM May cause respiratory irritation.
HYPOCHLORITE

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Components:

SODIUM
HYPOCHLORITE

Based on available data, the classification criteria are not met.

Aspiration Hazard**Product:**

Based on available data, the classification criteria are not met.

Components:

SODIUM
HYPOCHLORITE

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information**12.1 Toxicity:****Acute hazards to the aquatic environment:****Fish****Product:**

Based on available data, the classification criteria are not met.

Components:

SODIUM
HYPOCHLORITE

Very toxic to aquatic life.

Aquatic Invertebrates**Product:**

Based on available data, the classification criteria are not met.

Components:

SODIUM
HYPOCHLORITE

EC 50 (Ceriodaphnia dubia, 48.0 h): 35.000000 µg/l Experimental result,
Key study

Toxicity to Aquatic Plants**Product:**

No data available.

Components:

SODIUM
HYPOCHLORITE

No data available.

Toxicity to microorganisms**Product:**

No data available.

Components:

SODIUM
HYPOCHLORITE

No data available.

Chronic hazards to the aquatic environment:**Fish****Product:**

Based on available data, the classification criteria are not met.

Components:

SODIUM

Very toxic to aquatic life with long lasting effects.

HYPOCHLORITE

Aquatic Invertebrates

Product:	No data.
Components:	
SODIUM	Very toxic to aquatic life with long lasting effects.
HYPOCHLORITE	

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
SODIUM	NOEC (Algae (<i>Pseudokirchneriella subcapitata</i>), 72.00 h): 0.0054000
HYPOCHLORITE	mg/l (Static)

Toxicity to microorganisms

Product:	No data available.
Components:	
SODIUM	No data available.
HYPOCHLORITE	

12.2 Persistence and Degradability

Biodegradation

Product:	The surfactant(s) contained in this mixture comply with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other components of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the mixture is used as directed.
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Components:	
SODIUM	No data available.
HYPOCHLORITE	

BOD/COD Ratio

Product:	No data available.
Components:	
SODIUM	No data available.
HYPOCHLORITE	

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	The product is not bioaccumulating.
Components:	
SODIUM	No data available.
HYPOCHLORITE	

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
SODIUM	No data available.
HYPOCHLORITE	

12.4 Mobility in soil:

Product No data available.
Components:
SODIUM HYPOCHLORITE No data available.

12.5 Results of PBT and vPvB assessment:

Product Based on available data, the classification criteria are not met.
Components:
SODIUM HYPOCHLORITE Based on available data, the classification criteria are not met.

12.6 Other adverse effects:

Other hazards
Product: Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose of contents/container in accordance with local requirements for domestic waste disposal.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

SECTION 14: Transport information

ADR

14.1 UN number or ID number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.

14.4 Packing Group: Not regulated.
Limited quantity Not regulated.
Excepted quantity Not regulated.

14.5 Environmental Hazards Not regulated.

14.6 Special precautions for user: Not regulated.

ADN

14.1 UN number or ID number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.

Label(s):	Not regulated.
Hazard No. (ADR):	Not regulated.
Tunnel restriction code:	Not regulated.
14.4 Packing Group:	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
14.5 Special precautions for user:	Not regulated.

RID

14.1 UN number or ID number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
14.4 Packing Group:	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
14.5 Environmental Hazards	Not regulated.
14.6 Special precautions for user:	Not regulated.

IMDG

14.1 UN number or ID number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
EmS No.:	Not regulated.
14.4 Packing Group:	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
14.5 Environmental Hazards	Not regulated.
14.6 Special precautions for user:	Not regulated.

IATA

14.1 UN number or ID number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
14.4 Packing Group:	Not regulated.
Passenger and cargo aircraft :	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
14.5 Environmental Hazards	Not regulated.
14.6 Special precautions for user:	Not regulated.
14.5 Environmental Hazards	
Environmentally Hazardous:	No
Marine Pollutant:	No
14.7 Maritime transport in bulk according to IMO instruments:	Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

EU. REACH Annex XIV, Substances Subject to Authorization: None present or none present in regulated quantities.

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): None present or none present in regulated quantities.

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data: No data available.

Wording of the statements in section 2 and 3

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Aquatic Chronic 3, H412

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.