

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

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

1.1 Product identifier

Product name Hospec Concentrated General **Product No.**0016137499
Purpose Surface Cleaner

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

Identified uses: For cleaning hard surfaces

Uses advised against: None known.

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 not been classified as hazardous according to the legislation in force.

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

Not classified

2.2 Label Elements

Supplemental information

EUH208: Contains LIMONENE, OCTYLISOTHIAZOLINONE. May produce an allergic reaction.

Precautionary Statements

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

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
LIMONENE	0.1 - <0.25%	5989-27-5	227-813-5	01-2119529223-47;		

* 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
LIMONENE	Flam. Liq.: 3: H226; Asp. Tox.: 1: H304; Skin Sens.: 1B: H317; Skin Irrit.: 2: H315; Aquatic Chronic: 1: H410; Aquatic Acute: 1: H400;	Note C

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 first aid measures

Inhalation: Move to fresh air.

Skin Contact: Flush skin thoroughly with water.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation persists after washing.

Ingestion: Rinse mouth thoroughly. Do NOT induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed: Mildly irritating to skin with prolonged exposure. If mixture comes into contact with eyes may cause mild irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No special precautionary health measures should be needed under anticipated conditions of use.

Treatment: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

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

5.1 Extinguishing media

Suitable extinguishing media:	Extinguish with foam, carbon dioxide, dry powder or water fog.
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:	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:	Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.
6.4 Reference to other sections:	No data available.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	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.
7.2 Conditions for safe storage, including any incompatibilities:	Store away from incompatible materials. Store in original tightly closed container.
Storage Temperature:	No data available.
7.3 Specific end use(s):	For cleaning hard surfaces

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits
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None of the components have assigned exposure limits.

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: No data available.

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:	Yellow
Odor:	citrus - lemon
Odor Threshold:	No data available.
pH:	10.00 (20.00 °C)
Freezing point:	< 0.00 °C
Boiling Point:	> 70.00 °C
Flash Point:	> 93.00 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	No data available.
Relative density:	1.0060 (20.00 °C)
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available.
Dynamic viscosity:	No data available.

9.2 Other information

VOC Content:	EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17: 1.00 g/l ~0.10 % (calculated)
Explosive properties:	Not classified
Oxidizing properties:	No data available.
Metal Corrosion:	>= 0.00 mm/a The physical-chemical properties of this material have not been fully investigated.

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 (CO _x , NO _x).

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	None under normal conditions.
Skin Contact:	Mildly irritating to skin with prolonged exposure.
Eye contact:	May cause temporary 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: LIMONENE	No data available.

Dermal

Product:	Not classified for acute toxicity based on available data.
Components: LIMONENE	No data available.

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components: LIMONENE	No data available.

Repeated dose toxicity

Product:	No data available.
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Components: LIMONENE	No data available.
Skin Corrosion/Irritation: Product:	Based on available data, the classification criteria are not met.
Components: LIMONENE	in vivo (Rabbit): Experimental result, Key study
Serious Eye Damage/Eye Irritation: Product:	Based on available data, the classification criteria are not met.
Components: LIMONENE	No data available.
Respiratory or Skin Sensitization: Product:	Based on available data, the classification criteria are not met.
Components: LIMONENE	No data available.
Germ Cell Mutagenicity	
In vitro Product:	Based on available data, the classification criteria are not met.
Components: LIMONENE	No data available.
In vivo Product:	Based on available data, the classification criteria are not met.
Components: LIMONENE	No data available.
Carcinogenicity Product:	No data available.
Components: LIMONENE	No data available.
Reproductive toxicity Product:	No data available.
Components: LIMONENE	No data available.
Specific Target Organ Toxicity - Single Exposure Product:	Based on available data, the classification criteria are not met.
Components: LIMONENE	No data available.
Specific Target Organ Toxicity - Repeated Exposure Product:	Based on available data, the classification criteria are not met.
Components:	

LIMONENE No data available.

Aspiration Hazard

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

Components:

LIMONENE No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

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

Components

LIMONENE EC 50 (Pimephales promelas, 96.0 h): 688.000000 µg/l (flow-through)
Experimental result, Key study

Aquatic Invertebrates

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

Components

LIMONENE NOAEL (Daphnia magna, 24.0 h): 0.350000 mg/l (Static) Experimental
result, Key study

Toxicity to Aquatic Plants

Product: No data available.

Components

LIMONENE No data available.

Toxicity to microorganisms

Product: No data available.

Components

LIMONENE No data available.

Chronic Toxicity

Fish

Product: No data available.

Components

LIMONENE No data available.

Aquatic Invertebrates

Product: No data available.

Components

LIMONENE No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components

LIMONENE No data available.

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.

BOD/COD Ratio**Product** No data available.**Components**

LIMONENE No data available.

12.3 Bioaccumulative potential**Product:** The product is not bioaccumulating.**12.4 Mobility in soil:** No data available.**12.5 Results of PBT and vPvB assessment:** Based on available data, the classification criteria are not met.

LIMONENE No data available.

12.6 Other adverse effects: None known.**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:** Wash before disposal. Dispose to controlled facilities.**Contaminated Packaging:** No data available.**SECTION 14: Transport information****ADR**

14.1 UN 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: 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: 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.

IMDG

14.1 UN 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.

IATA

14.1 UN 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.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

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

EU Regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: none

EU. REACH Annex XIV, Substances Subject to Authorization: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms:

No data available.

Notes:

LIMONENE	Note C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
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Key literature references and sources for data: No data available.**Wording of the H-statements in section 2 and 3**

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Training information: No data available.**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.