



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

1.1. Product Identifier

Product name: HYGENEX RECOAT SURFACE CLEANER

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

Identified uses: No further relevant information available.

Application of the substance / the mixture Degreaser

1.3. Details of the supplier of the safety data sheet

Supplier: Hygenex Ltd
The Fulcrum
Vantage Way
Poole
Dorset
BH12 4NU
UK
Tel: +44 (0)1202 731555
Fax: +44 (0)1202731666
Email: sales@hygenex.co.uk.

1.4 Emergency telephone number

Emergency telephone: NHS 111
NHS Direct Wales 08454647
ROI 01 809 2166

SECTION 2: Hazards Identified

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: The product is not classified, according to the CLP regulation.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008: None applicable

Hazard pictograms: None

Signal Word: None

Hazard Statements: None

Precautionary Statements: P260: Do not breath mist/vapours/spray
P280: Wear eye protection, protective gloves.

Additional information EUH210 Safety data sheet available on request.
Restricted to professional users.

2.3. Other hazards

PTB and vPvB assessment: This product is not identified as a PBT/vPvB substance
optimally

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description: Mixtures of substances listed below with non-hazardous additions.

Dangerous components % (mm):

CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36 05-2114685655-33	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5 – 10%
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Additional Information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information: No special measures required.
Inhalation: Move to fresh air, consult a doctor in case of complaints.
Skin contact: Generally the product does not irritate the skin.
Eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. Remove contact lenses.
After swallowing: Do not induce vomiting; call for medical help immediately. Rinse mouth.

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

No further relevant information available.

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

No further relevant information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Carbon monoxide (CO)

5.3. Advice for fire fighters

Advice for fire fighters: No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: None required.

6.2. Environmental precautions

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

Reference to other sections: No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special measures required.

Information about fire and explosion protection:

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: No special requirements.
Store away from oxidising agents.
Protect from frost.
Storage Class 10

7.3. Specific end use(s)

No further relevant information available

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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

IOELV Short-term value: 246 mg/m³, 50 ppm
Long-term value: 98 mg/m³, 20 ppm

DNEL values:

111-76-2 2-butoxyethanol

Dermal Acute - short-term exposure - systemic effects 89 mg/kg bw/day (worker)
Long-term exposure - systemic effects 75 mg/kg bw/day (worker)
Inhaleative Acute - short-term exposure - local effects 246 mg/m³ (worker)
Acute - short-term exposure - systemic effects 663 mg/m³ (worker)
Long-term exposure - systemic effects 98 mg/m³ (worker)

PNEC values:

111-76-2 2-butoxyethanol

PNEC 463 mg/l (STP)
8,8 mg/l (aqua, freshwater)
9,1 mg/l (aqua, intermittent releases)
0,88 mg/l (aqua, marine water)
3,46 mg/kg (sediment marine water)
34,6 mg/kg (sediment freshwater)

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure controls

Personal Protective Equipment:

General Protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Not necessary if room is well-ventilated.

Protection of hands:

Protective Gloves - The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

Fluorocarbon rubber gloves (Viton).
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: Thickness of the gloves \geq 0.84 mm (2-butoxyethanol)

Value for the permeation: Level \geq 480 min (2-butoxyethanol) The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body Protection:

Solvent resistant protective clothing.



SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:

Form:	Fluid
Colour:	Clear
Odour:	Characteristic
Odour threshold:	Not determined
pH-value at 20°C:	7

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Change in condition:	
Melting point / Freezing point:	Not determined.
Initial boiling point and boiling point:	100°C
Flash point:	> 63°C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	240°C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	Upper – not determined. Lower – not determined.
Vapour pressure at 20 °C:	≤23 hPa
Density at 20 °C:	0,99 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:L	Not determined.
Solubility in / Miscibility with water:	Slightly soluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 20°C	1 mPas
Kinematic	Not determined.
Solvent content:	
Organic solvents:	9.1%
VOC (EC)	9.09%

9.2. Other information

Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No further relevant information available.

10.2. Chemical stability

Chemical Stability: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid

No further information available.

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

Haz. decomp. products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity.

LD/LC50 values relevant for classification:

111-76-2 2-butoxyethanol
Oral LD50 >300-2000 mg/kg (rat)
Dermal LD50 >1000-2000 mg/kg (rat)

Primary irritant effect:

Hazard	Basis
Skin corrosion/irritation	No irritant effect.
Serious eye damage/irritation	No irritant effect.
Respiratory or skin sensitisation	No sensitising effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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SECTION 12: Ecological Information

12.1. Toxicity

Aqua toxicity:

111-76-2 2-butoxyethanol
EC50/48h 1550 mg/l (daphnia magna)
LC50/96h 1474 mg/l (oncorhynchus mykiss)

12.2 Persistence and degradability

Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential

Bioaccumulative potential: 111-76-2 2-butoxyethanol
BCF <100 (/)
LogPow 0,81 (/)

12.4 Mobility in soil

Mobility: No further relevant information available.

Additional ecological info:

General Notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

PBT identification: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations: Smaller quantities can be disposed of with household waste.

European waste catalogue: 6 10 01* aqueous liquid wastes containing dangerous substances.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN Number:

ADR/ADN, IMDG, IATA Void

14.2 UN proper shipping name:

ADR/ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR/ADN, ADN, IMDG, IATA Void

14.4 Packing group

.ADR/ADN, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant No

14.6 Special precautions for user Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code UN "Model Regulation" Not applicable

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SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

15.2. Chemical safety assessment

Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other Information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant Phases: H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

Abbreviations & Acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



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