

SAFETY DATA SHEET OxyBAC

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

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

1.1. Product identifier

Product name OxyBAC

Product number OXY800MLFR, OXY12LTFSC, OXY47MLSC, OXY47SPFR, OXY47ML, OXY1LSC,

OXY47MLBG, OXY1L, OXY12LTF, OXY1LBG, OXY1LTRRS, OXY2LT, OXY1LFR,

OXY12LTFFR

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

Identified uses PT1 Human Hygiene Biocidal Product

1.3. Details of the supplier of the safety data sheet

Supplier SC Johnson Professional Ltd

Denby Hall Way

Denby Derbyshire DE5 8JZ

+44 (0) 1773 855100 info.prouk@scj.com

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)

National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

OxyBAC

Precautionary statements 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.

P401 Store in accordance with local regulations.

P501 Dispose of contents/ container in accordance with local regulations.

Supplemental label

information

BPR001 Use biocides safely. Always read the label and product information before use. Eye protection not required normally but wear eye protection if you are conducting an

operation where there is a risk of this product getting in the eyes.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-PHENOXYETHANOL 1-10%

CAS number: 122-99-6 EC number: 204-589-7

Classification

Acute Tox. 4 - H302 Eye Irrit. 2 - H319

GLYCERIN 1-10%

CAS number: 56-81-5 EC number: 200-289-5 REACH registration number: 01-

2119471987-18-XXXX

Classification

Not Classified

2-METHYLPENTANE-2,4-DIOL 1-10%

CAS number: 107-41-5 EC number: 203-489-0

Classification

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

HYDROGEN PEROXIDE SOLUTION 1-10%

CAS number: 7722-84-1 EC number: 231-765-0 REACH registration number: 01-

2119485845-22-XXXX

Classification

Ox. Liq. 1 - H271

Acute Tox. 4 - H302

Acute Tox. 4 - H332

Skin Corr. 1A - H314

Eye Dam. 1 - H318

STOT SE 3 - H335

Aquatic Chronic 3 - H412

OxyBAC

D-GLUCOPYRANOSE, OLIGOMERIC, C10-16 ALKYL

1-10%

GLYCOSIDES

CAS number: 110615-47-9 REACH registration number: 01-

2119489418-23-XXXX

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318

AMINES,C12-14(EVEN NUMBERED) ALKYLDIMETHYL,N-

1-10%

OXIDES

CAS number: 1643-20-5 EC number: 931-292-6 REACH registration number: 01-

2119490061-47-XXXX

M factor (Acute) = 1

Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

PHOSPHORIC ACID <1%

CAS number: 7664-38-2 EC number: 231-633-2 REACH registration number: 01-

2119485924-24-XXXX

Classification

Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Not relevant. Unlikely route of exposure as the product does not contain volatile substances.

Ingestion Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Rinse with water.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Get medical attention promptly if symptoms occur after washing.

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

InhalationNo specific symptoms known.IngestionNo specific symptoms known.

Skin contact None.

Eye contact May cause severe eye irritation.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion

No known hazardous decomposition products.

products

5.3. Advice for firefighters

Protective actions during

firefighting

No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes.

6.2. Environmental precautions

Environmental precautions Avoid or minimise the creation of any environmental contamination. Avoid contamination of

ponds or watercourses with washing down water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with

non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the

ground.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Protect from light.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

GLYCERIN

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

2-METHYLPENTANE-2,4-DIOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³ Short-term exposure limit (15-minute): WEL 25 ppm 123 mg/m³

HYDROGEN PEROXIDE SOLUTION

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³ Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³

PHOSPHORIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

Ingredient comments

None.

2-PHENOXYETHANOL (CAS: 122-99-6)

DNEL Industry/Professional - Inhalation; Long term systemic effects: 24.22 mg/m³

Workers - Inhalation; Long term local effects: 8.07 mg/m³ Workers - Dermal; Long term systemic effects: 500 mg/kg/day

General population - Inhalation; Long term systemic effects: 2.41 mg/m³ General population - Inhalation; Long term local effects: 2.41 mg/m³ General population - Dermal; Long term systemic effects: 10.42 mg/kg/day General population - Oral; Long term systemic effects: 9.23 mg/kg/day General population - Oral; Short term systemic effects: 9.23 mg/kg/day

PNEC Fresh water; 0.943 mg/l

marine water; 0.094 mg/l

STP; 24.8 mg/l

Sediment (Freshwater); 7.237 mg/kg Sediment (Marinewater); 0.724 mg/kg

Soil; 1.26 mg/kg

GLYCERIN (CAS: 56-81-5)

DNEL Workers - Inhalation; Long term local effects: 56 mg/m³

General population - Inhalation; Long term local effects: 33 mg/m³ General population - Oral; Long term systemic effects: 229 mg/kg/day

PNEC Fresh water; 0.885 mg/l

marine water; 0.088 mg/l

STP; 1000 mg/l

Sediment (Freshwater); 3.3 mg/kg Sediment (Marinewater); 0.33 mg/kg

Soil; 0.141 mg/kg

HYDROGEN PEROXIDE SOLUTION (CAS: 7722-84-1)

DNEL Workers - Inhalation; Long term local effects: 1.4 mg/m³

Workers - Inhalation; Short term local effects: 3 mg/m³

General population - Inhalation; Long term local effects: 0.21 mg/m³ General population - Inhalation; Short term local effects: 1.93 mg/m³

PNEC - marine water; 0.0126 mg/l

- Fresh water; 0.0126 mg/l

- Sediment (Freshwater); 0.0103 mg/kg

- Soil; 0.0023 mg/kg

Sediment (Marinewater); 0.047 mg/kg
Intermittent release; 0.0138 mg/kg

- STP; 4.66 mg/l

D-GLUCOPYRANOSE, OLIGOMERIC, C10-16 ALKYL GLYCOSIDES (CAS: 110615-47-9)

DNEL Workers - Inhalation; Long term systemic effects: 420 mg/m³

Workers - Dermal; Long term systemic effects: 595000 mg/kg/day General population - Inhalation; Long term systemic effects: 124 mg/m³ General population - Dermal; Long term systemic effects: 357000 mg/m³ General population - Oral; Long term systemic effects: 35.7 mg/kg/day

PNEC Fresh water; 0.176 mg/l

marine water; 0.018 mg/l

STP; 5000 mg/l

Sediment (Freshwater); 1.516 mg/kg Sediment (Marinewater); 0.065 mg/kg

Soil; 0.654 mg/kg

AMINES, C12-14 (EVEN NUMBERED) ALKYLDIMETHYL, N-OXIDES (CAS: 1643-20-5)

DNEL Workers - Inhalation; Long term systemic effects: 6.2 mg/m³

Workers - Dermal; Long term systemic effects: 11 mg/kg/day

General population - Inhalation; Long term systemic effects: 1.53 mg/m³ General population - Dermal; Long term systemic effects: 5.5 mg/kg/day General population - Oral; Long term systemic effects: 0.44 mg/kg/day

PNEC Fresh water; 0.034 mg/l

marine water; 0.003 mg/l

STP; 24 mg/l

Sediment (Freshwater); 5.24 mg/kg Sediment (Marinewater); 0.524 mg/kg

Soil; 1.02 mg/kg

PHOSPHORIC ACID (CAS: 7664-38-2)

DNEL Workers - Inhalation; Long term local effects: 1 mg/m³

Workers - Inhalation; Short term local effects: 2 mg/m3

General population - Inhalation; Long term local effects: 0.73 mg/m³ General population - Oral; Long term systemic effects: 0.1 mg/kg/day

8.2. Exposure controls

Appropriate engineering Not relevant.

controls

riot rolovant.

Eye/face protection Not required normally but wear eye protection if you are conducting an operation where there

is a risk of this product getting in the eyes. Personal protective equipment for eye and face

protection should comply with European Standard EN166.

Hand protection Hand protection not required.

Respiratory protection No specific recommendations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid

Colour Colourless.

Odour Characteristic.

Odour threshold Not determined.

OxyBAC

pH (concentrated solution): 2.25-2.35

Melting point Not determined.

Initial boiling point and range Not determined.

Flash point Scientifically unjustified.

Evaporation rate Not determined.

Upper/lower flammability or

explosive limits

Solubility(ies)

Scientifically unjustified.

Soluble in water.

Vapour pressure No information available.

Vapour density Not determined.

Relative density Not determined.

Partition coefficient Not determined.

Auto-ignition temperature Scientifically unjustified.

Decomposition Temperature Not determined.

Viscosity Not determined.

Explosive properties Scientifically unjustified.

Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react violently with the product: Strong reducing agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous

Not known.

reactions

10.4. Conditions to avoid

Conditions to avoid Avoid contact with strong reducing agents.

10.5. Incompatible materials

Materials to avoid Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

OxyBAC

Notes (oral LD₅o) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 11,894.51

Acute toxicity - dermal

Notes (dermal LD50) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 133,333.33

Acute toxicity - inhalation

Notes (inhalation LC50) Based on available data the classification criteria are not met.

ATE inhalation (gases ppm) 225,000.0

ATE inhalation (vapours mg/l) 550.0

ATE inhalation (dusts/mists

75.0

mg/l)

Skin corrosion/irritation

Human skin model test Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vivoDoes not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity -

Does not contain any substances known to be toxic to reproduction.

development

Specific target organ toxicity - single exposure

STOT - single exposure Not applicable.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not applicable.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact May cause temporary eye irritation.

Toxicological information on ingredients.

2-PHENOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

1,840.0

Species Rat

ATE oral (mg/kg) 1,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 14,391.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 14,391.0

Acute toxicity - inhalation

Acute toxicity inhalation

1,000.0

(LC₅₀ dust/mist mg/l)

Species Rat

ATE inhalation 1,000.0

(dusts/mists mg/l)

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity -

fertility

Based on available data the classification criteria are not met.

2-METHYLPENTANE-2,4-DIOL

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

3,692.0

Species Rat

OxyBAC

ATE oral (mg/kg) 3,692.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD50 >2000 mg/Kg bw RAT

Acute toxicity - inhalation

ATE inhalation (vapours

mg/l)

310.0

HYDROGEN PEROXIDE SOLUTION

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

1,193.0

Species Rat Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0

mg/kg)

Species Rabbit

Acute toxicity - inhalation

ATE inhalation (gases

4,500.0

11.0

1.5

ppm)

ATE inhalation (vapours

mg/l)

ATE inhalation (dusts/mists mg/l)

D-GLUCOPYRANOSE, OLIGOMERIC, C10-16 ALKYL GLYCOSIDES

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

2,000.0

Species Rat

ATE oral (mg/kg) 2,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 2,000.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Scientifically unjustified.

Skin corrosion/irritation

Skin corrosion/irritation Skin irritation.

OxyBAC

Serious eye damage/irritation

Serious eye

Causes serious eye damage.

damage/irritation

Respiratory sensitisation
Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not sensitising.

Carcinogenicity

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

AMINES,C12-14(EVEN NUMBERED) ALKYLDIMETHYL,N-OXIDES

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

1,064.0

Species Rat

ATE oral (mg/kg) 1,064.0

PHOSPHORIC ACID

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

2,600.0

Species Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,740.0

mg/kg)

Species

Rabbit

•

ATE dermal (mg/kg) 2,740.0

Acute toxicity - inhalation

Acute toxicity inhalation

25.5

(LC₅₀ vapours mg/l)

Mouse

ATE inhalation (vapours

mg/l)

Species

25.5

Skin corrosion/irritation

Animal data Erythema/eschar score: Severe erythema (beef redness) to eschar formation

preventing grading of erythema (4). Oedema score: Moderate oedema - raised

approximately 1 mm (3). Primary dermal irritation index: 6.6

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not expected to be hazardous to the environment.

Ecological information on ingredients.

2-PHENOXYETHANOL

Acute aquatic toxicity

LC₅₀, 96 hours: 344 mg/l, Pimephales promelas (Fat-head Minnow) Acute toxicity - fish

NOEC, 30 minutes: 248 mg/l,

Acute toxicity - aquatic

invertebrates

LC₅₀, 48 hours: 488 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 72 hours: 443 mg/l, Scenedesmus subspicatus

Acute toxicity -

microorganisms

Chronic aquatic toxicity

Chronic toxicity - fish early NOEC, 34 days: 23 mg/l, Pimephales promelas (Fat-head Minnow)

life stage

Chronic toxicity - aquatic

invertebrates

NOEC, 21 days: 9.43 mg/l, Daphnia magna

HYDROGEN PEROXIDE SOLUTION

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 16.4 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 2.4 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 72 hours: 1.38 mg/l, Selenastrum capricornutum

D-GLUCOPYRANOSE, OLIGOMERIC, C10-16 ALKYL GLYCOSIDES

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: 2.95 mg/l, Freshwater fish

LC₅₀, 96 hours: 4.4 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 7 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 72 hours: 12.5 mg/l, Scenedesmus subspicatus

Acute toxicity -,:,

microorganisms

Chronic aquatic toxicity

Chronic toxicity - fish early NOEC, 28 days: 3.2 mg/l, Brachydanio rerio (Zebra Fish)

life stage

Chronic toxicity - aquatic NOEC, 21 days: 2 mg/l, Daphnia magna

invertebrates

AMINES,C12-14(EVEN NUMBERED) ALKYLDIMETHYL,N-OXIDES

OxyBAC

Acute aquatic toxicity

LE(C)₅₀ $0.1 < L(E)C50 \le 1$

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 2.67 mg/l, Fish

Acute toxicity - aquatic

invertebrates

EC₅₀, 72 hours: 3.1 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

NOEC, 72 hours: 0.19 mg/l, Freshwater algae

Acute toxicity -

microorganisms

EC10, 24 hour: 80 mg/l, Activated sludge

PHOSPHORIC ACID

Acute aquatic toxicity

Acute toxicity - fish , 96 hour: 3.25 pH, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic

invertebrates

EC₅o, 48 hour: >100 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

NOEC, 72 hour: 100 mg/l, Desmodesmus subspicatus

Acute toxicity - IC₅₀, : 270 mg/l, Activated sludge

microorganisms

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria

as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be

considered.

OxyBAC

Disposal methodsDispose of waste product or used containers in accordance with local regulations Dispose of

waste to licensed waste disposal site in accordance with the requirements of the local Waste

Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

EU legislation 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) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

REGULATION (EU) No 528/2012 (as amended) concerning the making available on the

market and use of biocidal products.

PCS Number 97300

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and

sources for data

Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the

appropriate relevant information is incorporated into this Safety Data Sheet.

Revision comments Revision of information NOTE: Lines within the margin indicate significant changes from the

previous revision.

Revision date 24/01/2020

Revision 9

Supersedes date 13/05/2019

SDS number 21778

Hazard statements in full H271 May cause fire or explosion; strong oxidiser.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Notes for Hazard Statements

in Full

The full text for Hazard Statements in section 16 relates to the reference numbers in sections

2 and 3 and not necessarily the finished product classification.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.