

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Revision 0

Revision date 2015-03-26

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

1.1. Product identifier

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);
Description	Alkaline Liquid Hard Surface Cleaner.

1.3. Details of the supplier of the safety data sheet

Company	Spectrum Industrial Limited
Address	19/24 Bedesway Bede Industrial Estate Jarrow Tyne & Wear NE32 3EG
Web	www.spectrumindustrial.co.uk
Telephone	0191 4301111
Fax	0191 4837422
Email	sales@spectrum-ind.co.uk
Email address of the competent person	sales@spectrum-ind.co.uk

1.4. Emergency telephone number


Emergency telephone number	0191 4301111 9.00 am - 5.00 pm Mon - Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xi; R36 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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2.2. Label elements

Precautionary Statement: Response	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.
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2.3. Other hazards

Other hazards	This product does not contain any substances classified as PBT or vPvB.
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SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Aryl ether phosphate ester, potassium salt		72283-31-9			1 - 10%	Xi; R36/38
2,2'-Iminodiethanol	603-071-00-1	111-42-2	203-868-0		0.5 - 1%	Xn; R22-48/22 Xi; R38-41
C9-11 Alcohol Ethoxylate		68439-46-3			1 - 10%	Xn; R22 Xi; R41
Tetra potassium pyrophosphate		7320-34-5	230-785-7	01-2119489369-18	1 - 10%	Xi; R36

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Aryl ether phosphate ester, potassium salt		72283-31-9			1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;
2,2'-Iminodiethanol	603-071-00-1	111-42-2	203-868-0		0.5 - 1%	Acute Tox. 4: H302; STOT RE 2: H373; Skin Irrit. 2: H315; Eye Dam. 1: H318;
C9-11 Alcohol Ethoxylate		68439-46-3			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;
Tetra potassium pyrophosphate		7320-34-5	230-785-7	01-2119489369-18	1 - 10%	Eye Irrit. 2: H319;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system.

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

Inhalation	Get medical advice/attention.
Eye contact	Get immediate medical advice/attention.
Skin contact	If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Get immediate medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment as described in section 8.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

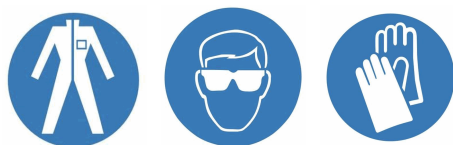
8.1. Control parameters

WEL = Work place exposure limit.

8.1.1. Exposure Limit Values

2,2'-Iminodiethanol	WEL 8-hr limit ppm: 3 WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 13 SK WEL 15 min limit mg/m3:
Tetra potassium pyrophosphate	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 2.79 WEL 15 min limit mg/m3:

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing.

Eye / face protection

Approved safety goggles.

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8.2. Exposure controls

Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Green
Odour	Pleasant
pH	9.8 - 10.9
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	Not relevant
Evaporation rate	No data available
Flammability limits	Not relevant
Vapour Flammability	Not relevant
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.05 (Water = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not relevant
Viscosity	No data available
Explosive	Not relevant
Oxidising	Not relevant
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No Significant Hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not determined.

10.5. Incompatible materials

Avoid contact with: Acids.

10.6. Hazardous decomposition products

No Significant Hazard.

SECTION 11: Toxicological information

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11.1.4. Toxicological Information

2,2'-Iminodiethanol	Oral Rat LD50: 12.7 mg/kg	
C9-11 Alcohol Ethoxylate	Dermal Rat LD50: 2000 mg/kg	
Tetra potassium pyrophosphate	Inhalation Rat LC50/0.58 mg/l h: 4	Oral Rat LD50: 2000 mg/kg
	Dermal Rabbit LD50: 2000 mg/kg	

SECTION 12: Ecological information

12.1. Toxicity

2,2'-Iminodiethanol	Daphnia EC50/48h: 947.0000 mg/l	Fish LC50/96h: 5600.0000 mg/l
C9-11 Alcohol Ethoxylate	Daphnia EC50/48h: 5.3 mg/l	
Tetra potassium pyrophosphate	Daphnia EC50/48h: 100.0000 mg/l	Rainbow trout LC50/96h: 100 mg/l

12.2. Persistence and degradability

	Sequestrant is readily degraded during biological effluent treatment processes.
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12.3. Bioaccumulative potential

	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

	No data is available on this product.
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Further information

Ecotoxicity	Not regarded as dangerous for the environment.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

	Safety Data Sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP - Regulations (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
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15.2. Chemical safety assessment

	No chemical safety assesment has been carried out as not applicable as this product is a mixture.
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SECTION 16: Other information

Other information

	The Risk Phrases/Hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the Product (as listen in section 3) and NOT the product intself. For the Risk
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Other information	
Text of risk phrases in Section 3	Phrases/Hazard Statements relating to this Product see Section 2. R22 - Harmful if swallowed. R36/38 - Irritating to eyes and skin. R36 - Irritating to eyes. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.