



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

## Lime Scale Remover Retail

Revision 0

Revision date 2015-09-11

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

#### 1.1. Product identifier

Product name	Lime Scale Remover Retail
--------------	---------------------------

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
Description	Removes Limescale.

#### 1.3. Details of the supplier of the safety data sheet

Company	Future Developments Manufacturing Ltd
Address	Davenport Street Burslem Stoke on Trent ST6 4HS Staffordshire
Web	www.fdev.co.uk
Telephone	01782 826870
Fax	01782 816392
Email	sales@fdev.co.uk
Email address of the competent person	support@fdhost.co.uk

#### 1.4. Emergency telephone number

Emergency telephone number	01782 829000 9.00am-5.00pm Mon - Fri
----------------------------	---

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Corr. 1B: H314;
--------------------------------------	----------------------

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P102 - Keep out of reach of children P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling.

## Lime Scale Remover Retail

Revision 0

Revision date 2015-09-11

## 2.2. Label elements

Precautionary Statement: Response	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Phosphoric acid...%	015-011-00-6	7664-38-2	231-633-2		1 - 10%	C; R34	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Phosphoric acid...%	015-011-00-6	7664-38-2	231-633-2		1 - 10%	Skin Corr. 1B: H314;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Call a physician immediately.

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

Inhalation	See section 4.1 for further information.
Eye contact	See section 4.1 for further information.
Skin contact	See section 4.1 for further information.
Ingestion	See section 4.1 for further information.

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

	If you feel unwell, seek medical advice (show the label where possible). No further relevant information available.
--	---

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
--	---

## 5.2. Special hazards arising from the substance or mixture

## Lime Scale Remover Retail

Revision 0

Revision date 2015-09-11

## 5.2. Special hazards arising from the substance or mixture

Corrosive. 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. Evacuate personnel to a safe area. Wear suitable protective equipment.

## 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. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 6.4. Reference to other sections

See section 2,3,8,13 for further information.

**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

## 7.2. Conditions for safe storage, including any incompatibilities

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

## 7.3. Specific end use(s)

See section 1.2 for further information.

**SECTION 8: Exposure controls/personal protection**

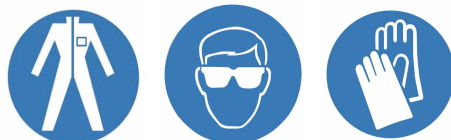
## 8.1. Control parameters

See section 8.2 for further information.

## 8.1.1. Exposure Limit Values

Phosphoric acid...%	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

## 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.

## Lime Scale Remover Retail

Revision 0

Revision date 2015-09-11

## 8.2. Exposure controls

Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Self-contained breathing apparatus.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
Odour threshold	No data available
pH	4
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Vapour pressure	No data available
Relative density	Not applicable.
Partition coefficient	No data available
Viscosity	No data available
Vapour density	No data available
Evaporation rate	No data available
Fat Solubility	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

## 9.2. Other information

Conductivity	No data available
Gas group	No data available
Surface tension	No data available
VOC (Volatile organic compounds)	No data available
Benzene Content	No data available
Lead content	Not applicable.

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No hazardous reactions when stored and handled as indicated.
--	--

## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Alkali metals.
--	----------------

## 10.4. Conditions to avoid

	No data is available on this product.
--	---------------------------------------

## 10.5. Incompatible materials

	Bases. Oxidising agents.
--	--------------------------

## 10.6. Hazardous decomposition products

## Lime Scale Remover Retail

Revision 0

Revision date 2015-09-11

## 10.6. Hazardous decomposition products

No data is available on this product.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Risk of serious damage to eyes.

## SECTION 12: Ecological information

## 12.1. Toxicity

Phosphoric acid...%	Daphnia LC50/48h: >100mg/l	Bluegill sunfish LC50/96h: 3.25 mg/l
---------------------	----------------------------	--------------------------------------

## 12.2. Persistence and degradability

The product is expected to be biodegradable.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

Lime Scale Remover Retail No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data on possible environmental effects have been found.

## 12.6. Other adverse effects

However, large or frequent spills may have hazardous effects on the environment. The product is not regarded as dangerous for the environment.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Must be disposed of in accordance with local and national regulations.

## General information

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN1805

## 14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

## 14.3. Transport hazard class(es)

ADR/RID 8

## Lime Scale Remover Retail

Revision 0

Revision date 2015-09-11

## 14.3. Transport hazard class(es)

Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group	III
---------------	-----

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
----------	---------

## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## SECTION 15: Regulatory information

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

	The classification detailed on this safety data sheet refers to the neat material only. Dilution of the product may reduce the classification. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 & (EC) No. 1272/2208 & (EC) 1999/45.
--	--

## 15.2. Chemical safety assessment

	No information available.
--	---------------------------

## SECTION 16: Other information

## Other information

Text of risk phrases in Section 3	R34 - Causes burns.
Text of Hazard Statements in Section 3	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

## 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.
--	--