SAFETY DATA SHEET

Mould & Mildew Remover

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

1.1. Product identifier

Product name Mould & Mildew Remover

Internal identification F6V2

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

Identified uses Removal of mould and mildew stains on a household scale

Contact person

1.4. Emergency telephone number

Emergency telephone (01274) 767440 (office hours only)

National emergency telephone number 0870 243 2241 - United Kingdom Poisons Information Centre

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Not Classified

Health hazards
Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation (Skin Sens.)

Environmental hazards
Not Classified

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
EUH208 Contains Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate. May produce an allergic reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves, eye and face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

Detergent labelling < 5% anionic surfactants, < 5% chlorine-based bleaching agents

Additional Labelling

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

sodium hypochlorite **1-5%**

CAS number: 7681-52-9 **EC number:** 231-668-3 **REACH registration number:** 01-2119488154-34-0000
M factor (Acute) = 10

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400	C; R34. N; R50. R31

Sodium Hydroxide **<1%**

CAS number: 1310-73-2 **EC number:** 215-185-5 **REACH registration number:** 01-2119457892-07-0000

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	C; R35

Sodium N-lauroylsarcosinate **<1%**

CAS number: 137-16-6 **EC number:** 205-281-5

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	T; R23. Xi; R41, R38

Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4 -tetracarboxylate **<1%**

CAS number: 143239-08-1 **EC number:** 410-800-5

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	N; R51/53. R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.

Ingestion
Drink water. If symptoms persist seek medical advice.

Skin contact
Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

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

Inhalation
Possible mild irritation of breathing passage and possible mouth irritation.

Ingestion
Possible mild stomach upset and mild soreness of mouth.

Skin contact
Causes skin irritation.

Eye contact
Causes eye irritation.

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

Notes for the doctor
No data avaliable

Specific treatments
No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Use extinguisher suitable to cause of fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Chlorine Gas Hydrogen chloride (HCl). Chlorine Oxides

5.3. Advice for firefighters

Protective actions during firefighting
Use protection suitable to cause of fire.

Special protective equipment for firefighters
Wear breathing apparatus suitable for chlorine gas

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions
Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

6.4. Reference to other sections

Reference to other sections
None

Mould & Mildew Remover

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Use as instructed on label. Avoid breathing spray. Point spray away from face. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in ambient conditions. Keep out of the reach of children.

7.3. Specific end use(s)

Specific end use(s)

Cleaning hard surfaces around the home and removing mould and mildew stains.
Observe precautions in section 7.1

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

sodium hypochlorite

Short-term exposure limit (15-minute): EU ELV 0.5 ppm 1.5 mg/m3 Chlorine
Short-term exposure limit (15-minute): EH40 WEL 0.5 ppm 1.5 mg/m3 Chlorine

Sodium Hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m3

WEL = Workplace Exposure Limit

Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate (CAS: 143239-08-1)

DMEL	- Inhalation; Long term local effects: 10 mg/m³

8.2. Exposure controls

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves made of the following material: Butyl rubber. Polyvinyl chloride (PVC). Chloroprene rubber.

Respiratory protection

Use in a well ventilated area. If this is not possible use a respirator with combination filter e.g. B-P2 or B-P3

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Clear thin liquid

Colour

Pale Yellow

Odour

Bleach

pH

pH (concentrated solution): 12.5 - 13.5

Initial boiling point and range

Not measured (>100°C)

Flash point

Not applicable.

Evaporation rate

Not measured.

Vapour pressure

Not available.

Vapour density

> 1 (Air=1)

Relative density
1.040 - 1.060

Solubility(ies)
Soluble in water

Partition coefficient
n-octanol/water

9.2. Other information

Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Will react with acids to produce chlorine gas

10.2. Chemical stability

Stability
Decomposes under normal conditions over a very long period

10.3. Possibility of hazardous reactions

Will produce chlorine when reacted with acids. Retail pack will produce such low volumes the risk to health is considered negligible.

10.4. Conditions to avoid

Avoid heat, Chlorine gas will be liberated upon heating Avoid contact with acids, may produce toxic gas (chlorine).

10.5. Incompatible materials

Materials to avoid
Avoid contact with acids, organic materials, hydrogen peroxide, metal salts, copper, nickel, iron and ammonia and ammonium compounds - Chlorine gas will be liberated upon contact.

10.6. Hazardous decomposition products

Rapid and extreme decomposition may release acids of phosphorus, phosphorus oxides, carbon oxides, hydrogen chloride, chlorine and chlorine oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)
333.33333333

Mould & Mildew Remover

Toxicological information on ingredients.

sodium hypochlorite

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)
3,400.0

Species
Mouse

ATE oral (mg/kg)
3,400.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)
2000.0

Species
Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC vapours mg/l)
10.5

Species
Rat

Sodium Hydroxide

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)
2,000.0

Species
Rat

Sodium N-lauroylsarcosinate

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)
5,000.0

Species
Rat

ATE oral (mg/kg)
5,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC dust/mist mg/l)
1.0

Species
Rat

ATE inhalation (dusts/mists mg/l)
1.0

SECTION 12: Ecological Information

12.1. Toxicity

The mixture has not been tested. Based on the avaliable data of the ingredients the classification criteria are not met.

Mould & Mildew Remover

Ecological information on ingredients.

sodium hypochlorite

Acute aquatic toxicity

LE(C)
0.01 < L(E)C50 ≤ 0.1

M factor (Acute)
10

Acute toxicity - fish
LC , 96 hours: 0.22 - 0.62 mg/l, Pimephales promelas

Acute toxicity - aquatic invertebrates
EC , 96 hours: 2.1 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC , 24 hours: 28 mg/l, Desmodesmus subspicatus

Sodium Hydroxide

Acute toxicity - fish
LC , 96 hours: 125 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates
EC , 24 hours: 76 mg/l, Daphnia magna

Acute toxicity - microorganisms
EC , 15 minute: 22 mg/l, Bacteria

Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate

Acute toxicity - fish
LC , 96 hours: >100 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates
EC , 48 hours: >1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC , 72 hours: 72 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms
EC , 3 hours: >1000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability
Contains detergents that satisfy the bio-degradation requirements of directive 648/2004/EC.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient
n-octanol/water

12.4. Mobility in soil

Mobility
Mobile.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

SECTION 14: Transport information

Mould & Mildew Remover

General Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not regulated.

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 MARPOL73/78 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 legislation

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC and EC Regulation 1272/2008 (CLP). Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No. 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by The London Oil Refining Company Ltd

Revision date 24/06/2015

Revision 2

Supersedes date 20/11/2014

SDS number 4916

Risk phrases in full

R23 Toxic by inhalation.
R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

Mould & Mildew Remover

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate. May produce an allergic reaction.