

### LIMESCALE REMOVER

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

**Product name** Vulcaseal Limescale Remover

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

**Use of substance / mixture** Specialist surface pre-treatment and very heavy duty degreasant

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

**Company identification** Vulcaseal Products  
Kimberley Business Park  
Blackness Lane  
Keston  
BR2 6HL  
Tel 0330 333 7744  
sales@vulcaseal.com

##### 1.4. Emergency telephone number

**Emergency tel** UK emerg 0330 333 7744 (office hours only)

#### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification under CLP** Eye Irrit. 2: H319

**Most important adverse effects** Most important adverse effects: Causes serious eye irritation.

##### 2.2. Label elements

**Label elements under CLP**

**Hazard statements** H319: Causes serious eye irritation.

**Signal words** Warning

**Hazard pictograms** GHS07: Exclamation mark



**Precautionary statements** P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice/attention.

##### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

### LIMESCALE REMOVER

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.2. Mixtures

Hazardous ingredients:

##### SULPHAMIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
226-218-8	5329-14-6	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412	1-2.5%

##### C9-11 ALCOHOL ETHOXOLATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	68439-46-3	-	-	<1%

#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of first aid measures

Skin contact	Wash immediately with plenty of soap and water.
Eye contact	Bathe the eye with running water for 15 minutes.
Ingestion	Wash out mouth with water.
Inhalation	Consult a doctor.

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

Skin contact	There may be mild irritation at the site of contact.
Eye contact	There may be irritation and redness.
Ingestion	There may be irritation of the throat.
Inhalation	No symptoms.

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

Immediate / special treatment	Not applicable.
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#### SECTION 5: FIRE-FIGHTING MEASURES

##### 5.1. Extinguishing media

**Extinguishing media** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards** In combustion emits toxic fumes.

##### 5.3. Advice for fire-fighters

**Advice for fire-fighters** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Refer to section 8 of SDS for personal protection details.  
Turn leaking containers leakerside up to prevent the escape of liquid.

##### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or rivers. Contain the spillage using bunding.

##### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

##### 6.4. Reference to other sections

**Reference to other sections** Refer to section 8 of SDS.

#### SECTION 7: HANDLING AND STORAGE

##### 7.1. Precautions for safe handling

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

**Storage conditions** Store in cool, well ventilated area. Keep container tightly closed.

##### 7.3. Specific end use(s)

**Specific end use(s)** No data available.

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1. Control parameters

Workplace exposure limits	No data available.
DNEL / PNEC	No data available.

##### 8.2. Exposure controls

Respiratory protection	Respiratory protection not required.
Hand protection	Protective gloves.
Eye protection	Safety glasses. Ensure eye bath is to hand.
Skin protection	Protective clothing.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Off-white
Odour	Pleasant
Evaporation rate	No data available.
Oxidising	No data available.
Solubility in water	No data available.
Viscosity	Non-viscous
Boiling point/range°C	100
Melting point/range°C	No data available.
Flammability limits %: lower	No data available.
upper	No data available.
Flash point°C	>93
Part.coeff. n-octanol/water	No data available.
Autoflammability°C	No data available.
Vapour pressure	No data available.
Relative density	No data available.
pH	3-4
VOC g/l	No data available.

##### 9.2. Other information

Other information	No data available.
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### LIMESCALE REMOVER

#### SECTION 10: STABILITY AND REACTIVITY

##### 10.1. Reactivity

Reactivity Stable under recommended transport or storage conditions.

##### 10.2. Chemical stability

Chemical stability Stable under normal conditions.

##### 10.3. Possibility of hazardous reactions

Hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

##### 10.4. Conditions to avoid

Conditions to avoid Heat.

##### 10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

##### 10.6. Hazardous decomposition products

Haz. decomp. products In combustion emits toxic fumes.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### 11.1. Information on toxicological effects

Hazardous ingredients:

##### SULPHAMIC ACID

IPR	RAT	LDLO	100 mg/kg
ORL	MUS	LD50	1312 mg/kg
ORL	RAT	LD50	3160 mg/kg

Toxicity values: No data available.

##### Symptoms / routes of exposure

Skin contact There may be mild irritation at the site of contact.

Eye contact There may be irritation and redness.

Ingestion There may be irritation of the throat.

Inhalation No symptoms.

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#### SECTION 12: ECOLOGICAL INFORMATION

##### 12.1. Toxicity

Ecotoxicity values No data available.

##### 12.2. Persistence and degradability

Persistence and degradability Biodegradable.

##### 12.3. Bioaccumulative potential

Bioaccumulative potential No bioaccumulation potential.

##### 12.4. Mobility in soil

Mobility Readily absorbed into soil.

##### 12.5. Results of PBT and vPvB assessment

PBT identification This product is not identified as a PBT/vPvB substance.

##### 12.6. Other adverse effects

Other adverse effects Negligible ecotoxicity.

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1. Waste treatment methods

**NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**

#### SECTION 14: TRANSPORT INFORMATION

##### 14.1. UN number

UN number N/A

##### 14.2. UN proper shipping name

Shipping name N/A

##### 14.3. Transport hazard class(es)

##### 14.4. Packing group

Packing group N/A

##### 14.5. Environmental hazards

Environmentally hazardous No

Marine pollutant No

##### 14.6. Special precautions for user

Special precautions No special precautions.

### LIMESCALE REMOVER

#### SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

#### SECTION 16: OTHER INFORMATION

##### Other information

Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and s.3

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Legend to abbreviations

PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular

PCP = physico-chemical properties

\* indicates text in the SDS which has changed since the last revision.

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.