

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name PAVETUF GREEN OFF CLEANER
Product code NP 140 Pavetuf

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

Use of substance / mixture PATIO CLEANER

1.3 Details of the supplier of the safety data sheet

Company identification Natural Paving Products (UK) Ltd
Belton Road
Sandtoft
Doncaster
North Lincolnshire
DN8 5SX
Tel: 0330 333 8030
Fax: 0330 333 8040
Email: enquiries@pavetuf.co.uk

1.4 Emergency tel 0330 333 8030

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP Skin Corr. 1A: H314; Aquatic Acute 1: H400; -: EUH031
Most important adverse effects Contact with acids liberates toxic gas. Causes severe skin burns and eye damage. Very toxic to aquatic life.

2.2 Label Elements

Hazard statements EUH031: Contact with acids liberates toxic gas.
H314: Causes severe skin burns and eye damage
H400: Very toxic to aquatic life.

Signal words Danger

Hazard pictograms GHS05: Corrosion
GHS09: Environmental





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Precautionary Statements

P102: Keep out of reach of children.
P260: Do not breathe fumes/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
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.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.
P302+350: IF ON SKIN: Gently wash with plenty of soap and water.
P333+313: If skin irritation or rash occurs: Get medical advice/attention.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+235: Store in a well-ventilated place. Keep cool.

2.3 Other hazards

PBT

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous ingredients

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-668-3	7681-52-9	-	Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031	4.9-9.9%

3 FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact:

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.



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Ingestion:

Do not induce vomiting. Get medical attention immediately! Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation:

Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact:

Corneal burns may occur. May cause permanent damage.

Ingestion:

Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation:

There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment:

Show this safety data sheet to the doctor in attendance.

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:

Corrosive. 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.



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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

Notify the police and fire brigade immediately. Refer to section 8 of SDS for personal protection details. Ensure suitable personal protection during removal of spillages. Do not breathe vapour. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions:

Contain the spillage using bunding. Do not allow to enter drains, sewers or watercourses. Absorb onto earth or sand and remove to safe place. Transfer to a container for disposal or recovery. To prevent release, place container with damaged side up. Contain spillages with sand, earth or any suitable absorbent material. Collect and dispose of spillage as indicated in section 13.

6.3 Methods and material for containment and cleaning up

Clean-up procedures:

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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:

Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. Collect and dispose of spillages as indicated in Section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling requirements:

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids. Keep away from direct sunlight. Do not store below 5 degrees C.

Suitable packaging:

Must only be kept in original packaging.



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7.3 Specific end use(s)

Specific end use(s):

CLEANER FOR THE REMOVAL OF CONTAMINANTS
FROM HARD SURFACES

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits

No data available.

DNEL/PNEC Values

No data available.

8.2 Exposure controls

Engineering measures:

Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection:

Self-contained breathing apparatus must be available in case of emergency.

Hand protection:

Impermeable gloves.

Eye protection:

Ensure eye bath is to hand. Wear eye/face protection. Wear approved chemical safety goggles at all times. Ensuring they are tightly fitted.

Skin protection:

Impermeable protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State:	Liquid
Colour:	Off-white
Odour:	Perceptible odour
Evaporation rate:	Moderate
Oxidising:	No data available
Solubility in water:	Soluble
Viscosity:	Non-viscous
Boiling point/range°C:	100
Flammability limits %: lower:	No data available
Flash point°C:	>93
Autoflammability°C:	No data available
Relative density:	No data available
VOC g/l:	No data available
Melting point/range°C:	No data available
upper:	No data available
Part.coeff. n-octanol/water:	No data available
Vapour pressure:	No data available
pH:	>11.5



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9.2 Other information

Other information:

No data available.

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

10.4 Conditions to avoid

Conditions to avoid:

Avoid heat, flames and other sources of ignition. Avoid exposing to heat and contact with strong oxidising substances. Avoid contact with acids. Direct sunlight.

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.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazardous ingredients:

SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

ORL	MUS	LD50	5800	mg/kg
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Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact:

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact:

Corneal burns may occur. May cause permanent damage.

Ingestion:

Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation:

There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.



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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.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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

14 TRANSPORT INFORMATION

14.1 UN number

UN number: UN1791

14.2 UN proper shipping name

Shipping name: HYPOCHLORITE SOLUTION

14.3 Transport hazard class(es)

Transport class: 8

14.4 Packing group

Packing group: III

14.5 Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6 Special precautions for user

Tunnel code: E

Transport category: 3



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SECTION 15: REGULATORY INFORMATION

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

Specific regulations: Not applicable.

15.2 Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER INFORMATION

Other information

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

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

Phrases used in s.2 and s.3:

EUH031: Contact with acids liberates toxic gas.

H314: Causes severe skin burns and eye damage.

H400: Very toxic to aquatic life.

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.