



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

1.1. Product identifier

Product form : Mixture
Name : External Paving Cleaner
Product code : ECO/3

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer, Professional & Industrial use
Use of the substance/mixture : Cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Barrettine,
Barrettine Works,
St Ivel Way,
Warmley,
Bristol,
BS30 8TY

Marketing Company & Exclusive Distributor

AM Robb Ltd (T/A LTP)
Tone Industrial Estate,
Milverton Road,
Wellington,
Somerset,
TA21 0AN

Tel: +44 (0) 1179 600060 Office Hours only
Mon-Thurs 8am-5pm, Fri 8am – 4.30pm.
Fax: +44 (0) 01179 353437
Email: sales@barrettine.co.uk

Tel: +44 (0) 1823 666213 Office hours only
Mon-Fri 8.30am-5.30pm
Fax: +44 (0) 1823 665685
Email: info@ecoprotec.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1270 502891 (Out of Office Hours Emergency Number)

Country	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
United Kingdom	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP:

Skin Irrit. 2 H315
Eye Irrit. 2 H319
Aquatic Chronic 3 H412

Most important adverse effects :

Causes skin irritation. Causes serious eye damage. Harmful to aquatic life with long lasting effects.





2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms :



GHS07

Signal word :

Warning

Hazard statements :

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements :

P102 - Keep out of reach of children
P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water/soap
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,
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container to special waste collection point in accordance with local regulations.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixture

Hazardous ingredients:

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
222-059-3	3332-27-2	-	Aquatic Acute 1:H400; Aquatic Chronic 2: H411; Eye Dam. 1 : H318; Acute Tox.4: H302; Skin Irrit. 2; H315	1-10%

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE – REACH registered number(s) : 01-2119488154-34-XXXX

231-668-3	7681-52-9	-	Skin Corr. 1B : H314 ; Aquatic Acute 1 : H400 ; :EUH031	<1%
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Non-classified ingredients :

SODIUM HYDROXIDE – REACH registered number (s) : 01-2119457892-27 – XXXX

EINECS	CAS	PBT/WEL	CLP Classification	Percent
215-185-5	1310-73-2	-	Skin Corr. 1A: H314	<1%

Contains : * SODIUM HYPOCHLORITE SOLUTION ; N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

Name	Product identifier	Specific concentration limits
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27-XXXX	(0,5 =< C < 2) Eye Irrit. 2, H319 (0,5 =< C < 2) Skin Irrit. 2, H315 (2 =< C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314





SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact	: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water..
Eye contact	: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	: Wash out mouth with water. Do not induce vomiting Consult a doctor.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact	: There may be irritation and redness at the site of contact.
Eye contact	: There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed/ immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment : Treat symptomatically.

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.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	: In combustion emits toxic fumes.
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5.3. Advice for firefighters

Advise for firefighters	: Wear self-containing breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: 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 : Do not discharge into drains or rivers. Contain the spillage using bunding

6.3. Methods and material for containment and cleaning up

Cleaning-up procedures	: Absorb into dry earth or sand. Transfer to a closeable, labelled salvage container for disposal by an appropriate method.
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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

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.
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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.
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7.3. Specific end use(s)

Specific end use (s): No data available.





SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	6.2mg/m ³	Workers	Systemic
DNEL	Dermal	11mg/Kg/day	Workers	Systemic
DNEL	Inhalation	1.53 mg/m ³	General Population	Systemic
DNEL	Dermal	5.5mg/Kg/day	General Population	Systemic
DNEL	Oral	0.44 mg/Kg/day	General Population	Systemic
PNEC	Fresh water	0.0335mg/L	-	-
PNEC	Marine water	0.00335mg/L	-	-
PNEC	Marine sediments	0.0335mg/L	-	-
PNEC	Fresh water sediments	5.24 mg/Kg	-	-
PNEC	Marine sediments	0.524 mg/Kg	-	-
PNEC	Soil (agricultural)	1.02 mg/Kg	-	-
-	Microorganisms in sewage treatment	24 mg/Kg	-	-

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	: Protective gloves
Eye protection	: Safety glasses
Skin protection	: Protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	: Liquid
Colour	: Colourless.
Odour	: Chlorine. Bleach
Evapouration rate	: No data available
Oxidising	: No data available
Solubility in water	: Soluble
Melting point / range °C	: No data available
Upper	: No data available
Part.coeff.n-octanol/water	: No data available
Vapour pressure	: No data available
VOC g/l	: No data available
Flammability limits % lower	: No data available
Flash point°C	: No data available
Autoflammability °C	: No data available
Relative density	: 1.04





9.2. Other information

Other information: Not applicable

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 transport or storage conditions.
Decomposition may occur on exposure to conditions or material 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:

SODIUM HYPOCHLORITE SOLUTION... 100% CL ACTIVE

ORL	MUS	LD50	5800	mg/kg
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SODIUM HYDROXIDE

IPR	MUS	LD50	40	mg/kg
ORL	RBT	LDLO	500	mg/kg

Relevant harards for product:

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

Symptoms / routes of exposure

- Skin contact :** There may be irritation and redness at the site of contact.
Eye contact : There may be irritation and redness. The eyes may water profusely.
Ingestion : There may be soreness and redness of the mouth and throat..
Inhalation : There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.




SECTION 12: Ecological information
12.1. Toxicity

Hazardous ingredients:

N,N-DIMETHYLTETRADECYLAMINE N-OXIDE			
ALGAE	48H EC50	0.19	mg/l
DAPHNIA	48H EC50	2.64	-
FISH	96H LC50	2.4	mg/l
SODIUM HYDROXIDE			
ALGAE	96H LC50	33-189	mg/l
Daphnia magna	48H EC50	40-240	mg/l

12.2. Persistence and degradability
Persistence and degradability : Not biodegradable

12.3. Bioaccumulative potential
Bioaccumulative potential: 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
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.

SECTION 14: Transport information
Transport class: This product does not require a classification for transport.

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 mixture by the supplier.

SECTION 16: Other information
Other information: * This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830

* indicated text in the SDS which has changed since the last version.

Phrases used in s.2 and s.3 :

- EUH031 : Contact with acids liberates toxic gas.
- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H400: Very toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.





Legend to abbreviations:	PNEC = predicted no effect concentration.
	DNEL = derived no effect level.
	LD50 = median lethal dose.
	LC50 = median lethal concentration.
	LDLO = lethal dose low.
	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
	ORL = oral
	SKN = skin
	DRM = dermal
	OCC = ocular/corneal
	OPT = optical
	ING = ingestion
	INH = inhalation
	PCP = physico-chemical properties

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.

