



HYDRON

Protective Coatings Ltd


SL1 SHADOW LIFTER

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

Product name	HPC 203 SL1 Shadow Lifter
1.1. Product identifier	
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	PC9a: Coatings and paints, thinners, paint removers.
1.3. Details of the supplier of the safety data sheet	
Company Address	Hydron PC Limited Unit 7 Phoenix Road Wednesfield Wolverhampton WV11 3PX
Web	www.hydronpc.co.uk
Telephone	01902 450 950
Fax	01902 451 050
Email	enquiries@hydronpc.co.uk
Irish Supplier	
Company Address	Conservation Technology Ltd. Neolith House Davitt Road, Dublin 12 D12 YXK8
Web	http://www.conservationtech.ie
Telephone	01 455 9511
Email	info@conservationtech.ie
1.4. Emergency telephone number	
Emergency telephone number	01 902 450 950 9.00 am - 5.00 pm Mon - Fri
Emergency telephone number Irish Supplier:	01 455 9511 8.30 am - 5.00 pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
Classification under CLP:	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Corr. 1B: H314; STOT SE 3: H335
Most important adverse effects:	Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.
2.2. Label elements	
Hazard pictograms	

	
	GHS07: Exclamation mark
Signal Word Hazard Statement	Danger H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H335: May cause respiratory irritation.
Precautionary Statement: Prevention	P260: Do not breathe dust/fumes/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+312: IF SWALLOWED: Call a if you feel unwell. P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
2.3. Other hazards	
PBT:	This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures				
Hazardous ingredients:				
2-BUTOXYETHANOL				
EINECS	CAS No.	PBT / WEL	CLP Classification	Percent
203-905-0	111-76-2		Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	10-30%
2-AMINOETHANOL				
205-483-3	141-43-5		Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314	1-10%
POTASSIUM HYDROXIDE				
215-181-3	1310-58-3		Acute Tox. 4: H302; Skin Corr. 1A: H314	1-10%

SECTION 4: First aid measures

4.1. Description of first aid measures	
Chemical Name	No first aid requirements.
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.
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
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

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Print date 2017-02-06 | Revision: 1

	on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Ingestion	Wash out mouth with water. Do not induce vomiting. 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.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
Eye contact	Corneal burns may occur. May cause permanent damage.
Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Ingestion	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.
4.3. Indication of any immediate medical attention and special treatment needed	
	Eye bathing equipment should be available on the premises.

SECTION 5: Firefighting measures

5.1. 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	
	Corrosive. In combustion emits toxic fumes.
5.3. Advice for firefighters	
	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	
	Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind.
6.2. 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 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	
	Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	
	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	
Suitable packaging	Store in a cool, well ventilated area. Keep container tightly closed.
7.3. Specific end use(s)	
Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-BUTOXYETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	25 ppm	50 ppm	-	-

2-AMINOETHANOL

UK	2.5 mg/m ³	7.6 mg/m ³	-	-
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POTASSIUM HYDROXIDE

UK	-	2 mg/m ³	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls	
Engineering measures:	Ensure there is sufficient ventilation of the area.
Eye / face protection	Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection - Handprotection	Nitrile rubber gloves. Impermeable gloves
Respiratory protection	Self-contained breathing apparatus must be available in case of emergency.
Skin protection	Impermeable protective clothing.
Environmental:	The floor of the storage room must be impermeable to prevent the escape of liquids

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
State	Liquid
Colour	Amber
Odour	Characteristic odour
pH	13-14
Melting point	Not determined
Boiling point/range°C:	>100°C
Relative density	1.06-1.09
Solubility	Soluble in water
9.2. Other information	
Other information:	No data available.

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

Hazardous ingredients:

2-BUTOXYETHANOL

IVN	RAT	LD50	307	mg/kg
ORL	MUS	LD50	1230	mg/kg
ORL	RAT	LD50	470	mg/kg

2-AMINOETHANOL

IVN	RAT	LD50	225	mg/kg
ORL	MUS	LD50	700	mg/kg
ORL	RAT	LD50	1720	mg/kg
SCU	RAT	LD50	1500	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
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.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

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	
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 the 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. * indicates text in the SDS which has changed since the last revision.
Phrases used in s.2 and s.3:	H302: Harmful if swallowed. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation.
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.