



SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

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

1.1. Product identifier

Product name	SL1 Shadow Lifter
Product code	HPC 203

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

Description	No further relevant information available.
-------------	--

1.3. Details of the supplier of the safety data sheet

Company	Hydron Protective Coatings Ltd
Address	Unit 7 Phoenix Road Wednesfield Wolverhampton WV11 3PX
Web	www.hydrnpc.co.uk
Telephone	01902 450 950
Fax	01902 451 050
Email	enquiries@hydrnpc.co.uk

1.4. Emergency telephone number


Emergency telephone number	01902 450950
Company	Hydron Protective Coatings Ltd

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/E C	C; R35 Xn; R20/21/22 Symbols: C: Corrosive.
Main hazards	Harmful by inhalation, in contact with skin and if swallowed. Causes severe burns.

2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC. C: Corrosive. 
Risk phrases	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R35 - Causes severe burns.
Safety phrases	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of water. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

2.3. Other hazards

Other hazards	No further hazards known.
---------------	---------------------------

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethylene glycol monobutyl ether	603-014-00-0	111-76-2	203-905-0		20 - 30%	Xn; R20/21/22 Xi; R36/38
Potassium hydroxide	019-002-00-8	1310-58-3	215-181-3		10 - 20%	Xn; R22 C; R35
2-aminoethanol		141-43-5	205-483-3		1 - 10%	C; R34 Xn; R20/21/22

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

Inhalation	Inhalation of vapour may cause shortness of breath.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea.
Skin contact	Causes burns.
Ingestion	Ingestion causes burns to the respiratory tract.

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

	Treat symptomatically. If ever unsure, seek medical attention/advice immediately.
--	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
--	----------------

5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
--	--

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment. Surfaces contaminated with the product will become slippery.
--	--

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
--	---

6.4. Reference to other sections

	See section 7 for handling information. See section 8 for personal protection information. See section 13 for disposal information.
--	---

SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
--	--

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Avoid contact with: Acids. Avoid extremes of temperature. Store in correctly labelled containers.
--	--

7.3. Specific end use(s)

	No further relevant information available.
--	--

Suitable packaging

	Plastic containers.
--	---------------------

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.1.1. Exposure Limit Values**

2-aminoethanol	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 2.5
	WEL 15 min limit ppm: 3	WEL 15 min limit mg/m3: 7.6
Ethylene glycol monobutyl ether	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: -
Potassium hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2

8.2. Exposure controls**8.2.1. Appropriate engineering controls**

	Ensure adequate ventilation of the working area.
--	--

8.2.2. Individual protection measures

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
--	---

Eye / face protection

	Approved safety goggles.
--	--------------------------

Skin protection -**Handprotection**

	Chemical resistant gloves (PVC).
--	----------------------------------

Skin protection - Other

	Wear suitable protective clothing.
--	------------------------------------

Respiratory protection

	Do not breathe gas/fumes/vapour/spray. Wear suitable respiratory equipment when necessary.
--	--

Thermal hazards

	No further relevant information available.
--	--

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Hydron Protective Coatings Limited - SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Amber
Odour	Characteristic
Odour threshold	No data available
pH	>14
Boiling point	>100
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.06 -1.09
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Melting point	No data available

Water solubility

Soluble in water.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Stable under normal conditions. This product is not flammable.

10.3. Possibility of hazardous reactions

Finely powdered metals. Strong acids.

10.4. Conditions to avoid

Avoid extremes of temperature.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No further relevant information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Ingestion can cause burns to the respiratory tract.
Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes burns.
Respiratory or skin sensitisation	Classified as skin corrosive, no sensitising effects.
Germ cell mutagenicity	No mutagenic effects known.
Carcinogenicity	No carcinogenic effects known.

Hydron Protective Coatings Limited - SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

11.1. Information on toxicological effects

Reproductive toxicity	No reproductive toxicity effects known.
STOT-single exposure	No target organ toxicity effects known.
STOT-repeated exposure	No target organ toxicity effects known.
Aspiration hazard	No aspiration hazards known.

11.1.4. Toxicological Information

	No data available
--	-------------------

SECTION 12: Ecological information

12.1. Toxicity

	No data available
--	-------------------

12.2. Persistence and degradability

	No further relevant information available.
--	--

12.3. Bioaccumulative potential

	No further relevant information available.
--	--

12.4. Mobility in soil

	No further relevant information available.
--	--

12.5. Results of PBT and vPvB assessment

	No further relevant information available.
--	--

12.6. Other adverse effects

	No further relevant information available.
--	--

SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
--	---

Disposal methods

	Dispose of in compliance with all local and national regulations.
--	---

Disposal of packaging

	Empty containers can be cleaned with water.
--	---

Further information

	Do not empty into drains/sewage system.
--	---

SECTION 14: Transport information

Hazard pictograms

	
--	---

14.1. UN number

	UN3267
--	--------

14.2. UN proper shipping name

	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Potassium Hydroxide)
--	--

14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-

Hydron Protective Coatings Limited - SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

14.3. Transport hazard class(es)	
IATA	8
Subsidiary risk	-
14.4. Packing group	
Packing group	III
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	80
Tunnel Category	(E)
IMDG	
EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
15.2. 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	
Revision	This document differs from the previous version in the following areas: 1 - Description. 2 - Other hazards. 4 - Skin contact. 4 - Eye contact. 4 - Inhalation. 4 - Ingestion. 4 - Inhalation. 4 - Eye contact. 4 - Skin contact. 4 - Ingestion. 4 - 4.3. Indication of any immediate medical attention and special treatment needed. 6 - 6.4. Reference to other sections. 7 - 7.3. Specific end use(s). 8 - 8.2.2. Individual protection measures. 8 - Skin protection - Other. 8 - Thermal hazards. 9 - 9.1. Information on basic physical and chemical properties (State).

Hydron Protective Coatings Limited - SL1 Shadow Lifter

Revision 2

Revision date 2014-10-21

Other information

	<p>9 - 9.1. Information on basic physical and chemical properties (Colour).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Melting point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flammability limits).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Explosive).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Oxidising).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p> <p>10 - 10.6. Hazardous decomposition products.</p> <p>10 - 10.1. Reactivity.</p> <p>10 - 10.5. Incompatible materials.</p> <p>11 - 11.1.4. Toxicological Information.</p> <p>11 - Acute toxicity.</p> <p>11 - Respiratory or skin sensitisation.</p> <p>11 - Germ cell mutagenicity.</p> <p>11 - Carcinogenicity.</p> <p>11 - Reproductive toxicity.</p> <p>11 - Serious eye damage/irritation.</p> <p>11 - STOT-single exposure.</p> <p>11 - STOT-repeated exposure.</p> <p>11 - Aspiration hazard.</p> <p>12 - 12.1. Toxicity.</p> <p>12 - 12.4. Mobility in soil.</p> <p>12 - 12.2. Persistence and degradability.</p> <p>12 - 12.3. Bioaccumulative potential.</p> <p>12 - 12.5. Results of PBT and vPvB assessment.</p> <p>12 - 12.6. Other adverse effects.</p> <p>13 - Further information.</p> <p>14 - IMDG.</p> <p>15 - 15.2. Chemical safety assessment.</p> <p>15 - Regulations.</p>
Text of risk phrases in Section 3	<p>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R22 - Harmful if swallowed.</p> <p>R34 - Causes burns.</p> <p>R35 - Causes severe burns.</p> <p>R36/38 - Irritating to eyes and skin.</p>

Further information

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>
--	---