

SHADOW LIFTER

Date of Issue 10 March 2010
Safety Data Sheet

1. Identification of the Product and Preparation

Product Name: Shadow Lifter

Intended Use: To remove graffiti shadows from brickwork and concrete

2. Composition / Information of Ingredients

	Conc.	CAS	EINECS	Symbols/Risk Phases
Ethylene glycol monobutyl ether	20-30%	111-76-2	203-905-0	Xn: R20/21/22 Xi: R36/38
(2-Butoxyethanol)				
2-aminoethanol	1-10%	141-43-5	205-483-3	C,R34: Xn R20/21/22
(2-Aminoethanol)				
Potassium Hydroxide	10-20%	131-058-3	215-161-3	C,R35; Xn R22

3. Hazards Identification

Causes severe burns.
Harmful by inhalation; in contact with skin and if swallowed.

4. First Aid Measures

Skin Contact: Causes burns, wash off immediately with plenty of soap and water. Remove contaminated clothing.

Eye Contact: Causes burns. Causes severe inflammation and may damage the cornea. Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention.

Inhalation: Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical advice.

Ingestion: Ingestion causes burns to the respiratory tract. **DO NOT INDUCE VOMITING.** If swallowed seek medical advice immediately and show this container or label.

5. Fire Fighting Measures

Extinguishing Media: Carbon oxides.

Fire Hazards: Corrosive burning produces irritating, toxic and obnoxious fumes.

Protective Equipment: Wear suitable respiratory equipment when necessary.

6. Accidental Release Measures

Personal Precautions: 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.

Environmental: Do not allow to enter drains. Prevent further spillage, if safe to do so.

Clean Up Methods: Absorb with inert, absorbent materials. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. Handling & Storage

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

Storage: Keep in cool, dry well ventilated areas. Keep containers tightly closed. Avoid contact with Acids and avoid extremes of temperature. Store in correctly labelled containers – PLASTIC container.

8. Exposure Controls / Personal Protection

Ethylene glycol monobutyle ether (2 Butoxyethanol)	WEL 8hr-limit ppm: 25 WEL 25 min limit ppm: 50	WEL 8hr-limit mg/m3: - WEL 15 min limit mg/m3: -
2-aminoethanol	WEL 8hr-limit ppm: 3 WEL 15 min limit ppm: 6	WEL 8hr limit mg/m3: 7.6 WEL 15 min limit mg/m3: 15

Ensure adequate ventilation of the working area. Do not breath gas/ fumes/ vapour/ spray.

Wear suitable respiratory equipment when necessary.

Wear suitable chemical resistant gloves (PVC). Wear approved safety goggles.

Wear suitable chemical protective clothing. Adopt best Manual Handling consideration when handling, carrying and dispensing.

9. Physical & Chemical Properties

Appearance /Colour	Liquid, amber	Odour	Characteristic
pH	>14	Boiling Point	>100°C
Flash Point	N/A	Relative Density	1.06 – 1.09
Water Solubility	Soluble in water		

10. Stability & Reactivity

Stability: stable under normal conditions.

Conditions to Avoid: avoid extremes of temperature.

Materials to Avoid: finely powdered metals and strong acids.

11. Toxicological Information

Ethylene glycol monobutyl ether: Oral Rat LD50 = 2.68m/kg
Dermal Rabbit LD50 = 0.63mg/kg

2 aminoethanol Oral Rat LD50 = >2000mg/kg

CORROSIVITY: Causes burns.

12. Ecological Information

Ethylene glycol monobutyl ether Daphnia EC50/48h = > 1000mg/l g/l
Sheephead minnows LC50/96h = 1700mg/l

Potassium Hydroxide Fish LC50/96h = 189mg/l g/l

13. Disposal Considerations

Dispose of in accordance with all local and national regulations.

14. Transport Information

ADR/RID UN NO 3267 Packing Group 111 Class 8 Hazard ID80 Marine pollutant: No

15. Regulatory Information

Classification: Corrosive Hazard Symbol C

Safety Phrases:

S24/25: avoid contact with skin and eyes.

S62: if swallowed **DO NOT** induce vomiting, seek medical advice.

S16: keep away from sources of ignition – NO SMOKING.

S23 Do not breathe in vapour.

Risk Phrases:

R20/21/22: harmful by inhalation, in contact with skin and if swallowed.

R35: causes severe burns.

R36/37/38 irritating to eyes, respiratory system and skin.

16. Other Information

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.