

Material Safety Data Sheet

Product Name:
ELCO Shadow Remover

Issue Date:
1st May 2006

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Classified as hazardous according to the criteria of Worksafe Australia

1. COMPANY DETAILS

Company: ELCO International Pty Ltd
Address: 1 / 17 Stennett Road
INGLEBURN NSW 2565
Australia
Telephone: +61 2 9605 3000
Facsimile: +61 2 9605 3222
Emergency telephone: **0412 383 240 & 0412 609 351**

2. IDENTIFICATION

Product name: Shadow Remover
Product code: ELSHR01000
Product use: Commercial Grade Solvent Based Remover, formulated specifically for difficult removals and for removal of stubborn shadowing on a variety of surfaces surfaces.
UN number: 1263
DG class: 3
Packing group: II
Hazchem code: 3[Y]E

2a. Ingredients

Chemical Name:	CAS Number:	Proportion
Xylene	[1330-20-7]	MED
Iso Propanol	[67-63-0]	MED
n-methyl pyrrolidone	[872-50-4]	MED
Iso butanol	[71-36-3]	MED
Potassium Hydroxide	[1310-58-3]	LOW

Proportion (% weight per weight):

VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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2b. Physical Data

Appearance: light yellow liquid
Odour: Characteristic aromatic.
Boiling point: no data available
Vapour pressure: no data available
Vapour density (Air=1): >1
Solubility in water: partial
Specific gravity: 0.91
Flash point: >28°C PMCC
Flammability limits: LEL:2.2, UEL:11 (lowest boiling solvent)

3. HEALTH HAZARD DATA

3a. Health Effects

Acute- ingestion: Irritating .Acute LD50>4300 mg/kg (xylene). Ingestion may result in nausea, vomiting, diarrhoea. Irritation to mouth, throat and stomach.

Acute- eye: Irritating. Contact may cause redness, pain and blurred vision.

Acute-skin: Irritating. Prolonged or repeated skin contact causes irritation and may lead to dermatitis.

Acute- inhalation: Vapours, aerosols and mists are irritants to the eyes and respiratory tract. Inhalation of high concentrations can cause central nervous system depression with effects such as loss of co-ordination, impaired judgment, headache, and, if exposure is prolonged, unconsciousness.

Chronic: Prolonged or repeated skin contact may lead to defatting and dermatitis. May cause respiratory irritation, liver or kidney damage. Permanent CNS and blood changes can occur due to high solvent exposure over time. Respiratory allergies and diseases of the skin, nose, throat, lungs, liver, kidney and blood may be aggravated by chronic exposure to the product or its vapours.

3b. First Aid

Eye: Irrigate immediately with water for at least 15 minutes, occasionally lifting eyelids. Seek medical attention.

Skin: Promptly wash the contaminated skin with soap and water. Remove any contaminated clothing. Do not re-use until it has been laundered. If irritation should develop, get medical attention.

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Ingestion:

Give water. Do NOT induce vomiting. Do NOT give anything by mouth to an unconscious person. Seek medical attention without delay. Should vomiting occur, place patient's head downwards, head lower than the hips, to prevent vomit entering the lungs. This is especially important as aspiration of this material into the lungs can cause Chemical Pneumonitis which can be fatal. Transport to a doctor or hospital.

Inhalation:

Remove victim from exposure and keep warm. Remove any contaminated clothing and loosen remaining clothing. If not breathing administer artificial respiration. If breathing is difficult, have qualified person administer oxygen. Seek medical attention.

First aid facilities:

Eye wash facilities, soap and water.

3c. Advice to Doctor

Advice to doctor:

Treat symptomatically.

4. PRECAUTIONS FOR USE

4a. Exposure Standards

Exposure guidelines:

None established by the National Occupational Health and Safety Commission for this specific product. However the exposure standard for

SUBSTANCE NAME:

n-Butyl alcohol TWA: 50 ppm 152 mg/m³ STEL: - ppm - mg/m³

xylene TWA: 80 ppm (similar or equal to: 350 mg/m³)

STEL: 150 ppm (similar or equal to: 655 mg/m³)

1,230 mg/m³

isopropanol TWA: 400 ppm 983 mg/m³ STEL: 500 ppm

Potassium hydroxide TWA: - ppm 2 mg/m³ (peak)

Engineering controls:

Ensure ventilation is adequate to maintain good air circulation. Keep containers closed when not in use. Local exhaust preferable. Vapour is heavier than air and may collect in hollows, pits and sumps.

4b. Personal Protection

Respiratory protection:

Wear respirator/protector for normal application.. If high concentrations of vapour cannot be avoided(e.g. at elevated temperatures or in the case of fire) then use an NIOSH-approved respirator for organic vapours or approved self-contained breathing apparatus.

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Skin protection: Wear clean, long-sleeved, body covering clothing and impervious overshoes. Wear chemical resistant gloves.

Eye protection: Use chemical resistant safety glasses with side splash shields or goggles or full-face shield.

Hygiene: Always wash hands before eating, drinking, smoking or using the toilet.

4c. Flammability

Fire hazards: Flammable liquid. Flash point >14°C PMCC. Avoid heat and sources of ignition. Prevent build-up of flammable vapours.

5. SAFE HANDLING INFORMATION

5a. Storage and Transport Information - UN No. 1263

Storage: Protect containers from physical damage. Store away from heat and sunlight. Store below 27°C. Avoid excessive heat, ignition sources and contamination with dirt and other foreign materials. Avoid contamination or inappropriate mixing with strong oxidising agents, peroxides, strongly caustic materials and metal corrosion products, including rust. Store away from foodstuffs. Keep containers closed at all times.

Transport: Defined as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by road or rail.

UN number: 1993

DG class: 3

Pack group: II

Hazchem code: 3[Y]E

Poisons schedule:

Shipping name: Solvent

5b. Environmental and Disposal Information

Spills and leaks: Spills should be contained to prevent contamination of drainage systems or waterways. Collect with absorbent material such as earth, sawdust or vermiculite. Place into suitable containers for disposal. Advise emergency authorities if contamination of sewers or waterways occurs. Avoid eye or skin contact, or oral ingestion.

Disposal method: Landfill or incinerate in accordance with all State and/or Local Government

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regulations.

5c. Fire and Explosion Data

<i>Fire & explosion hazard:</i>	Flammable liquid. Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile fragments which are flammable, irritating or toxic. Evacuate non-emergency personnel. At elevated temperatures, hazardous polymerisation may occur causing rupture and, in extreme cases, explosion. Fight fires from upwind and cool intact containers with water spray or stream at maximum range.
<i>Extinguishing media:</i>	Water fog, carbon dioxide, dry chemical, sand.
<i>Fire fighting equipment:</i>	Under fire conditions, product generates irritating and hazardous vapours and toxic fumes. Fire fighters should wear self-contained breathing apparatus in addition to the protective clothing usually worn.
Hazardous reactions:	
<i>Stability:</i>	<i>[Conditions to avoid]</i> Product is stable. Avoid excessive heat, sparks, flames, build up of static electricity. <i>[Specific materials to avoid]</i> Avoid exposure to strong alkalis, mineral acids and strong oxidisers.
<i>Hazardous decomposition Products:</i>	Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile fragments which are flammable, irritating or toxic.
<i>Hazardous polymerisation:</i>	Cannot occur.

6. ADDITIONAL INFORMATION

<i>Toxicology:</i>	No adverse health effects are expected if the product is handled in accordance with this Material Safety Data Sheet.
<i>Environmental protection:</i>	Avoid contaminating waterways
<i>Packaging and labelling information:</i>	HAZARD CATEGORY: Harmful (Xn), Irritant (Xi). RISK PHRASES: R10 Flammable R20/21: Harmful by inhalation and in contact with skin R36/37/38: Irritating to skin, eyes and respiratory system.

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SAFETY PHRASES:

S16: Keep away from sources of ignition – no smoking

S43: In case of fire, use sand, earth, chemical powder or foam

S24/25: Avoid contact with skin and eyes

S62: If swallowed, do not induce vomiting, seek medical advice.

7. CONTACT POINT

ELCO International Pty Ltd

1 / 17 Stennett Road,

INGLEBURN NSW 2565

Tel: (02) 9605 3000

Emergency (24 hr): 0412 383 240 or 0412 609 351

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