

# SAFETY DATA SHEET

## Decra Lead

Revision Date: 6th January 2006



**Decra Led**<sup>®</sup>  
WINDOW LEADING PRODUCTS

**NORTH WESTERN LEAD CO.(HYDE) LTD.**

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**Product Name:** *Self Adhesive Lead Strip*

**Product Code:**

**Use/description of product:** Applied to glass to recreate traditional stained glass

**Supplier:** North Western Lead Co. (Hyde) Ltd.

Newton Moor Industrial Estate

Mill Street

Hyde, Cheshire

SK14 4LJ

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Decra Led contains the following substances including any that present a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC and the Chemicals (Hazard Information and Packaging for Supply) Regulations SI 1994 No. 3247, as amended, or have occupational exposure limits detailed in HSE Guidance Note EH40.

Name:	Symbol:	Cas No.:	Risk Phrases	Safety Phrases	Content
Lead	Pb	7439-92-1	Repr Cat 1: R61 Repr Cat 3: R62 Xn: R20/22 R33 N: R50/53	S53, 45, 60, 61	90 to 99.5%
Antimony	Sb	7440-36-0	Xn: R20/22 N: R51/53	S(2), 61	0 to 5%
Arsenic	As	7440-38-0	T: R23/25 N: R50/53	S(1/2), 20/21, 28, 45, 60, 61	0 to 0.010%
Tin	Sn	7440-31-5			0 to 2%

Full Text for all R-Phrases are displayed in Section 16

Lead is assessed as low hazard whilst it remains in solid metallic form. The risk phrases given above apply to lead compounds, and are not considered as strictly applicable to lead in solid metallic form, but rather should be considered where lead is heated or otherwise processed.

Tin has been assessed as non-hazardous when present in lead alloys up to the concentrations given above.

### 3. HAZARDS IDENTIFICATION

**Main Hazards:** Avoid inhaling dust or fumes which may be generated when product is heated. Eg When applying Solder. Lead can be ingested through the mouth, transferring from fingers and hands when eating, drinking or smoking. Hands and nails must be thoroughly cleaned after each shift.

**Other Hazards:**

### 4. FIRST AID MEASURES

**Skin contact:** Wash off with soap and water.

**Eye contact:** If dust enters the eyes, flush with cold clean water. Seek medical attention.

**Ingestion:** Seek medical attention. Give the doctor a copy of this Safety Data Sheet.

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**Inhalation:** N/A

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### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Dry powder, foam, water fog or spray.

**Protection of fire-fighters:** Combustion products include irritating smoke and possibly toxic carbon monoxide. For serious fires with considerable amount of smoke, wear breathing apparatus with independent air supply.

### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Do not allow to enter water course or drain.

### 7. HANDLING AND STORAGE

**Handling requirements:** Silicone paper can present a slipping hazard and should not be allowed to litter floors and walk areas.

**Storage conditions:** Store in a clean, cool, dry area.

**Suitable packaging:** Store in original packaging.

**Storage quantity limits:** N/A

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ingredient name:</u>	<u>Cas No.:</u>	<u>STD</u>	<u>LT EXP 8 Hrs</u>
Lead	7439-92-1	WEL (CLAW)	0.15mg/m <sup>3</sup>
Antimony	7440-36-0	WEL (COSHH)	0.5mg/m <sup>3</sup>
Arsenic	7440-38-0	WEL (COSHH)	0.1mg/m <sup>3</sup>
Tin	7440-31-5	WEL (COSHH)	2mg/m <sup>3</sup>

#### Protective equipment

**Ventilation:** Ensure there is sufficient ventilation of work area when product is being soldered.

**Respiratory protection:** Use approved equipment if conditions require it.

**Hand Protection:** Wash hands and scrub nails after contact to avoid risk of ingestion.

At the time of writing there are no gloves which provide protection and dexterity for application of the product.

**Eye Protection:** N/A

**Other Protection:** Carry out risk assessment. May require protective toecaps. Possible hazard from dropping

When carrying out risk assessment refer to the following publications:

Control of Lead at Work Regulations 2002 (Third Edition): Approved Code of Practice and Guidance

The Control of Lead at Work Regulations 2002 (SI 2002 No. 2676)

In addition HSE "Lead and You" (INDG305 09/03) gives simply precise advice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Malleable silvery grey metal, with paper liner

**Physical State** Sold

**Melting point:** 327°C (pure lead, will vary for alloys)

**Boiling point:** 1740°C (pure lead, will vary for alloys)

**Relative density:** 11.34 (pure lead, will vary for alloys)

### 10. STABILITY AND REACTIVITY

Decra Led is stable under normal conditions but can react vigorously with strong oxidising agents (e.g. hydrogen peroxide) and reactive metals (e.g. Sodium). Stable at room temperature. When heated above 500C, toxic fumes of lead and lead oxide (from reaction with oxygen in air) are produced.

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### 11. TOXICOLOGICAL INFORMATION

Lead is known to produce a continuum of diverse biological effects in humans, depending on the dose, which are usually associated with high and long-term exposure

The body absorbs lead by breathing in lead dust, fumes or vapour, or by swallowing, for example, if after handling lead a person eats, drinks or smokes, or bites their nails without washing.

Metallic lead is not absorbed through the skin. Handling of cold metallic lead can not directly cause lead poisoning.

Always wash hands after handling lead.

Acute exposure can cause headaches, tiredness, irritability, constipation, nausea, stomach pains, anaemia or loss of weight.

Continued uncontrolled exposure can cause kidney or nerve and brain damage.

These symptoms can also have causes other than lead exposure, so do not necessarily mean that lead poisoning has occurred.

Source HSE Approved Code of Practice 2002 and HSE leaflet "Lead and You"

### 12. ECOLOGICAL INFORMATION

Lead is harmful to the environment, air, water and to land. Lead must be disposed of correctly.

### 13. DISPOSAL CONSIDERATIONS

Recycling is recommended wherever reasonably practicable.

Any discharge or disposal must be controlled and authorised by the relevant authority (e.g. Environment Agency or Local Authority) in accordance with statutory requirements.

### 14. TRANSPORT INFORMATION

#### ADR / RID

UN No.: N/A

Packaging group: N/A

Shipping name: N/A

Labelling: N/A

ADR Class: N/A

Classification code: N/A

Hazard ID no.: N/A

#### IMDG / IMO

UN No: N/A

Packaging group: N/A

Marine pollutant: N/A

Class: N/A

EmS: N/A

Labelling: N/A

#### IATA / ICAO

UN no: N/A

Packaging group: N/A

Labelling: N/A

Class: N/A

Packing instructions: N/A

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### 15. REGULATORY INFORMATION

#### Health and Safety

The Health and Safety at Work etc. Act 1974

The Control of Lead at Work Regulations 2002 (SI 2002 No. 2676)

Control of Lead at Work Regulations 2002 (Third Edition): Approved Code of Practice and Guidance, L132, 2003

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677), as amended

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (SI 2002 No. 1689)

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242)

The Personal Protective Equipment at Work Regulations 1992 (SI 1992 No. 2966)

The Manual Handling Operations Regulations 1992 (SI 1992 No. 2793)

The Workplace (Health, Safety and Welfare) Regulations 1992 (SI 1992 No. 3004)

The Health and Safety Commission publication that is especially valuable with regard to health aspects of working with lead is:

#### Environmental

The Environmental Protection Act 1990

The Water Resources Act 1991

The Water Industry Act 1991

The Environment Act 1995

The Pollution Prevention and Control Act 1999

The Water Industry Act 2003

The Landfill Tax Regulations 1996 (SI 1996 No. 1527), as amended

The Air Quality (England) Regulations 2000 (SI 2000 No. 928)

The Hazardous Waste (England and Wales) Regulations 2005 (SI 2005 No. 894)

The List of Wastes (England) Regulations 2005 (SI 2005 No. 895)

Regulations EC No. 1907/2006 (REACH)

The Environmental Permitting (England and Wales) Regulations 2007 (SI 2007 No. 3538)

The Waste Management Licensing Regulations 1994 (SI 1994 No. 1056), as amended

The Special Waste Regulations 1996 (SI 1996 No. 972), as amended

The Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No. 1973), as amended

The Landfill (England and Wales) Regulations 2002 (SI 2002 No. 1559)

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### 16. OTHER INFORMATION

The information on this Safety Data Sheet is based on the present state of our knowledge and on current European and United Kingdom laws as applied in England on the date of issue.

Users in other countries should take all necessary steps to identify and satisfy the requirements of applicable laws within their respective countries.

The product should not be used for purposes other than shown in the product data sheet without first obtaining written professional advice.

It is always the responsibility of the user to take all necessary steps to satisfy the requirements of applicable legislation.

#### Appendix I

##### \* Text of Risk Phrases and Safety Phrases

Repr Cat 1: R61 --- Reproductive Toxicity Category 1: May cause harm to the unborn child.

Repr Cat 3: R62 --- Reproductive Toxicity Category 3: Possible risk of impaired fertility.

Xn: R20/22 --- Harmful by inhalation and if swallowed.

T: R23/25 --- Toxic by inhalation and if swallowed.

R33 --- Danger of cumulative effects.

N: R50/53 --- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

N: R51/53 --- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S (1/2) --- Keep locked up and out of the reach of children.

S (2) --- Keep out of the reach of children.

S20/21 --- When using do not eat, drink or smoke.

S28 --- After contact with skin, wash immediately with plenty of soap and water.

S45 - In case of accident or if you feel unwell seek medical advice immediately (show the label or this safety data sheet if possible).

S53 --- Avoid exposure - Obtain special instructions before use.

S60 --- This material and its container must be disposed of as hazardous waste.

S61 --- Avoid release to the environment. Refer to special instructions / safety data sheet.