



ENGLISH

## Datasheet RS Pro Metal Etching Pen

RS Stock No: 227-1399



### Specifications:

Suitable for permanent etching identification references on the following metal surfaces

Alloy and stainless steel, Iron, Copper, Gun metal

It will not mark aluminium surfaces

Shelf Life: 18 months depending on storage

Instructions:

The surface for marking should be clean and free from oil

For light marking make only a single pass with the pen

For darker marking make repeated passes with the pen to achieve the legibility required

Lightly wipe the surface following etching with light oil

If the etching agent is splashed on the skin, wash with soap and water

Order Code	Manufacturers Code	Description
227-1399	52-730-005	Metal Etching Pen



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Report Date: 21-03-2014

LIN2001-v1.1: 52-730-005

## SAFETY DATA SHEET METAL ETCHING PEN

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product Name METAL ETCHING PEN  
Product No. 52-730-005

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

Identified uses Marking pen for metal  
Uses Advised Against At this moment in time we do not have information on use restrictions.  
They will be included in this safety data sheet when available

#### 1.3. Details of the supplier of the safety data sheet

Supplier: Linear Tools Ltd.,  
Unit 1 Clocktower Industrial Estate,  
Clocktower Road,  
Isleworth,  
Middlesex,  
TW7 6DT

#### 1.4. Emergency telephone number

0208 400 2020 (9am – 5pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi; R36, R38

#### 2.2. Label elements

##### Labelling



Xi Irritant

Risk Phrases R36/38 Irritating to eyes and skin  
Safety Phrases S24/25 Avoid contact with eyes and skin  
S22 Wash with plenty of soap and water

Do not place in a pocket or confuse with drawing pens



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## METAL ETCHING PEN

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Chemical	% Content	Classification according to CLP
Hydrochloric Acid	35% Diluted	GHS05, H290
Sulphuric Acid	7%	GHS05, H314
Diluted Nitric Acid	6%	GHS05 H290
Distilled Water	52%	Not Classified
Total	100%	0.10cc per piece

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**Inhalation.**

Not required

**Ingestion.**

Immediately rinse mouth with water

**Skin Contact.**

Wash skin with liberal amounts of soap and water

**Eye Contact.**

Rinse affected eye with liberal amounts of water  
In case of continued eye irritation consult a doctor

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

**Inhalation.**

None

**Ingestion.**

May cause discomfort in mouth

**Skin Contact.**

Prolonged contact may cause redness, irritation and dry skin

**Eye Contact.**

May cause severe irritation to eyes

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

Treat symptomatically, no recommendations given. First aid may still be required in case of accidental skin contact, eye contact or ingestion of the chemical in this product. If in doubt, GET MEDICAL ATTENTION PROMPTLY

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing Media

Not Required - Non Combustible



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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Follow precautions for safe handling in this safety data sheet

### SECTION 7: HANDLING AND STORAGE

#### **7.1. Precautions for safe handling**

Avoid skin and eye contact

#### **7.2. Conditions for safe storage, including any incompatibilities**

Keep cover on pen tip when not in use; keep out of the reach of children

#### **7.3. Specific end use**

The identified use for this product is detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1. Control parameters**

Not listed

#### **8.2. Exposure controls**

Protective gloves and safety glasses should be worn when using this product

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### **9.1. information on physical and chemical properties**

Appearance	Liquid contained within a pen
Initial boiling point	100°c
Flashpoint	N/A
Solubility in water	N/A

### SECTION 10: STABILITY AND REACTIVITY

#### **10.1. Reactivity.**

Pen will mark the surface of the following materials.

Alloy and Stainless Steel

Iron

Copper

Gun Metal

Pen does not react with Aluminium

#### **10.2. Stability.**

Stable under normal temperature conditions and recommended use

#### **10.3. Possibility of hazardous reactions.**

##### **Hazardous Polymerisation**

Will not polymerise



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### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### **Skin Contact**

Irritating to skin

##### **Eye Contact**

Irritating to eyes

##### **Route of entry**

Skin and/or eye contact

##### **Target Organs**

Skin, Eyes

##### **Medical Symptoms**

Irritation of skin, Irritation of eyes

### SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity:**

The product components are not classified as environmentally hazardous

#### 12.1. Toxicity

Not considered toxic

#### 12.2. Persistence and degradability

##### **Degradability**

The product is biodegradable

#### 12.3. Bio accumulative potential

##### **Bio accumulative potential:**

Will not bio-accumulate

#### 12.4. Mobility in soil

##### **Mobility:**

The product is soluble in water

#### 12.5. Results of PBT and vPvB assessment

This product does not contain any Pb (lead), Hg (mercury), Cd (cadmium) +6Cr(VI)(hexavalent chromium) PBB and PBDE

#### 12.6. Other adverse effects

Not determined



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### SECTION 13: DISPOSAL CONSIDERATIONS

#### General Information:

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

#### 13.1. Waste treatment methods

Disposal of waste and residues in accordance with local authority requirements

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

Not applicable

#### 14.2. Un Proper shipping name

Not applicable

#### 14.3. Transport hazard class

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of MARPOL73/77 and the IBC Code

Not applicable

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### UK Regulatory References

Chemicals (Hazard Information & Packaging) Regulations

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments

##### Environmental Listing

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

Control of Pollution Act 1974

##### Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations

##### Guidance Notes

Workplace Exposure Limits EH40.



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### EU Legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC

Dangerous Substance Directive 67/548/EEC

Dangerous Preparations Directive 1999/45/EC

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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, including amendments.

### SECTION 16: OTHER INFORMATION

#### Revision Comments

None