



## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name: 442/4, 442/5, 442/6, 442/7, 442/8, 442/9, 442/10, 442/11, 442/12, 442/13, 442/14, 442/15, 442/16, 442/17, 442/18, 442/19, 442/20, 442/22, 442/24

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

Use of substance / mixture: PC21: Laboratory chemicals.

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

Company name: Elektron Technology UK Ltd.

Sheen Instruments Brand  
29 Central Avenue West Molesey Surrey KT8 2RF United Kingdom  
Tel: 01803 407700  
Fax: 0208 979 2565  
Email: [info@sheeninstruments.com](mailto:info@sheeninstruments.com)

### 1.4. Emergency telephone number

Emergency tel: 01803 407700 (office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.  
Classification under CLP: This product has no classification under CLP.

### 2.2. Label elements

Label elements: This product has no label elements.

### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Mixtures

Contains: Blended Hydrocarbons

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Move to fresh air in case of accidental inhalation of vapors.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur.

Inhalation: No symptoms.

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

### **Section 5: Fire-fighting measures**

#### **5.1. Extinguishing media**

Extinguishing media: Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Water fog.

#### **5.2. Special hazards arising from the substance or mixture**

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

#### **5.3. Advice for fire-fighters**

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### **Section 6: Accidental release measures**

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

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak- side up to prevent the escape of liquid.

#### **6.2. Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

#### **6.3. Methods and material for containment and cleaning up**

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### **6.4. Reference to other sections**

Reference to other sections: Refer to section 8 of SDS.

### **Section 7: Handling and storage**

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

Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

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

Store in cool, well ventilated area. Keep container tightly closed.

#### **7.3. Specific end use(s)**

Specific end use(s): No data available.

### **Section 8: Exposure controls/personal protection**

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

Workplace exposure limits: No data available.

### 8.2. DNEL/PNEC Values

DNEL / PNEC: No data available.

### 8.3. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Odourless

Flash point°C: >93

### 9.2. Other information

No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicity values: No data available.

### 11.2 Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur.

Inhalation: No symptoms.

## Section 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values: No data available.

#### **12.2. Persistence and degradability**

Persistence and degradability: No data available.

#### **12.3. Bioaccumulative potential**

Bioaccumulative potential: No data available.

#### **12.4. Mobility in soil**

Mobility: Readily absorbed into soil.

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

PBT identification: This product is not identified as a PBT/vPvB substance.

#### **12.6. Other adverse effects**

Other adverse effects: Negligible ecotoxicity.

### **Section 13: Disposal considerations**

#### **13.1. Waste treatment methods**

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### **Section 14: Transport information**

Transport class: This product does not require a classification for transport.

### **Section 15: Regulatory information**

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

#### **15.2. Chemical Safety Assessment**

### **Section 16: Other information**

#### **Other information:**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

#### **Legend to abbreviations:**

PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

Calibration Oils: **SH442/4, /5, /6, /7, /8, /9, /10, /11, /12, /13, /14, /15, /16, /17, /18, /19, /20, /22, /24**

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IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = physico-chemical properties

**Legal disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Owing to continuous development, we reserve the right to introduce improvements and modify specifications without prior notice.

**Our sales team can be contacted on:  
[info@sheeninstruments.com](mailto:info@sheeninstruments.com) or +44 (0)208 783 4321**