

## SAFETY DATA SHEET ACRIDINE ORANGE

According to Regulation (EU) No 453/2010

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

#### 1.1. Product identifier

**Product name** ACRIDINE ORANGE  
**Product No.** PL.8009, PL.8009/5, PL.8009/4

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

**Identified uses** Laboratory reagent.

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

**Supplier** Pro-Lab Diagnostics  
3 Bassendale Road  
Wirral  
Merseyside  
CH62 3QL  
Tel: 0151 353 1613  
Fax: 0151 353 1614  
mowen@pro-lab.com

#### 1.4. Emergency telephone number

+44 (0)151 353 1613 Monday to Friday 9.00 to 17.00  
+44 (0)7714 429 646 outside the above hours

### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)** Not classified.

##### Human health

See section 11 for additional information on health hazards.

#### 2.2. Label elements

##### Risk Phrases

NC Not classified.

##### Safety Phrases

P13 Safety data sheet available for professional user on request.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

ACETIC ACID ...%	1-5%
CAS-No.: 64-19-7	EC No.: 200-580-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Corr. 1A - H314	Classification (67/548/EEC) R10 C;R35

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

# ACRIDINE ORANGE

## **Inhalation**

Move the exposed person to fresh air at once.

## **Ingestion**

Do not induce vomiting. Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

## **Skin contact**

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

## **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

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

### **Ingestion**

May cause discomfort if swallowed.

### **Skin contact**

Prolonged skin contact may cause redness and irritation.

### **Eye contact**

May irritate eyes.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

#### **Unsuitable extinguishing media**

Not relevant

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

#### **Hazardous combustion products**

None under normal conditions.

#### **Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

#### **Specific hazards**

The product is non-combustible. If heated, toxic vapours may be formed.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Avoid discharge to the aquatic environment.

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

Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

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

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

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

# ACRIDINE ORANGE

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Wash hands after handling.

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

Store in tightly closed original container in a dry and cool place.

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

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Hand protection**

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

#### **Eye protection**

Wear approved, tight fitting safety glasses where splashing is probable.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Deep orange.
<b>Odour</b>	No characteristic odour.
<b>Solubility</b>	Soluble in water.

### **9.2. Other information**

Not determined.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

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

#### **Hazardous Polymerisation**

Will not polymerise.

### **10.4. Conditions to avoid**

There are no known conditions that are likely to result in a hazardous situation.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

No incompatible groups noted.

### **10.6. Hazardous decomposition products**

None at ambient temperatures.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **Inhalation**

No specific health warnings noted.

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## Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

## Skin contact

Prolonged contact may cause redness and irritation.

## Eye contact

May irritate eyes.

### Toxicological information on ingredients.

#### ACETIC ACID ...% (CAS: 64-19-7)

##### Acute toxicity:

##### **Acute Toxicity (Oral LD50)**

3310 mg/kg Rat

REACH dossier information

##### **Acute Toxicity (Inhalation LC50)**

450 ppm Rat 4 hours

REACH dossier information

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

#### Ecological information on ingredients.

#### ACETIC ACID ...% (CAS: 64-19-7)

##### **Acute Toxicity - Fish**

LC50 96 hours > 1000 mg/l Onchorhynchus mykiss (Rainbow trout)

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours > 380.2 mg/l Daphnia magna

REACH dossier information

##### **Acute Toxicity - Aquatic Plants**

EC50 72 hours > 380.2 mg/l Skeletonema costatum

### 12.2. Persistence and degradability

#### Degradability

There are no data on the degradability of this product.

#### Ecological information on ingredients.

#### ACETIC ACID ...% (CAS: 64-19-7)

##### **Biodegradation**

Water Degradation (96%) 20 days

REACH dossier information

The substance is readily biodegradable.

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### 12.4. Mobility in soil

#### **Mobility:**

The product is soluble in water.

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

Not determined.

## **12.6. Other adverse effects**

Not determined.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

## **SECTION 14: TRANSPORT INFORMATION**

### **General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

Not applicable.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

**Environmentally Hazardous Substance/Marine Pollutant**

No.

### **14.6. Special precautions for user**

Not applicable.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

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

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

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

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

# ACRIDINE ORANGE

## Revision Comments

Supplier's contact details amended. Reissued according to Regulation (EU) No 453/2010.

**Revision Date** 11-2011

**Revision** 2

**Supersedes date** 02-2010

## Risk Phrases In Full

R35 Causes severe burns.

R10 Flammable.

NC Not classified.

## Hazard Statements In Full

H314 Causes severe skin burns and eye damage.

H226 Flammable liquid and vapour.

## Disclaimer

The information in this safety data sheet was obtained from current and reliable sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Pro-Lab Diagnostics control, it is the users responsibility to perform thorough testing of this product when used in combination with any other product. It is suggested that users familiarise themselves with this safety data sheet before handling the product.