



## MATERIAL SAFETY DATA SHEET

### UV CALIBRATION SOLUTION - POTASSIUM DICHROMATE

#### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	: UV calibration solution - potassium dichromate	LABORT FINE CHEM PVT LTD.
CAS	: --	Office: 703-704 Icon Business Centre, Opp. Central Mall, Nr. Valentine Cinema, Dumas Road, Surat - 395 007, (GUJARAT), INDIA
Synonym	: --	
Chemical Name	: Mixture	Ph: 0091-261-2725761; 2725388 Fax: 0091-261-2725388
Chemical formula	: --	E Mail: <a href="mailto:info@laboratorychemical.net">info@laboratorychemical.net</a> Website: <a href="http://www.laboratorychemical.net">www.laboratorychemical.net</a>
Molecular weight	: --	Factory: Plot No. 320, G.I.D.C. Ichhapore Industrial Estate, Opp-ONGC, Taluka- Choryasi, District Surat, Gujarat., PIN 394510, India

#### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

**Composition:** Not Applicable : Aqueous solution

Chemical Name	CAS #	% weight
Aqueous solution		

**Toxicological Data on Ingredients:**

#### SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Oxidizing solids (Category 2), H272  
 Acute toxicity, Oral (Category 3), H301  
 Acute toxicity, Inhalation (Category 2), H330  
 Acute toxicity, Dermal (Category 4), H312  
 Skin corrosion (Category 1B), H314  
 Skin sensitisation (Category 1), H317  
 Germ cell mutagenicity (Category 1B), H340  
 Carcinogenicity (Category 1B), H350  
 Reproductive toxicity (Category 1B), H360FD  
 Specific target organ toxicity - repeated exposure (Category 1), H372

#### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

##### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Nature of decomposition products not known.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

Use water spray to cool unopened containers

### SECTION 6: ACCIDENTAL RELEASES MEASURE

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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Keep away from heat and sources of ignition.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Strongly oxidizing hazardous materials

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### SECTION 8: PERSONAL PROTECTION

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

**Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.**

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: solid
- b) Odour : No data available
- c) Odour : Threshold No data available
- d) pH: No data available
- e) Melting point/freezing point : No data available
- f) Initial boiling point and boiling range : No data available
- g) Flash point : No data available
- h) Evaporation rate : No data available
- i) Flammability (solid, gas) : No data available
- j) Upper/lower flammability or explosive limits : No data available
- k) Vapour pressure : No data available
- l) Vapour density : No data available
- m) Relative density : No data available
- n) Water solubility : No data available
- o) Partition coefficient: noctanol/water : No data available
- p) Auto-ignition temperature : No data available
- q) Decomposition temperature : No data available
- r) Viscosity : No data available
- s) Explosive properties : No data available
- t) Oxidizing properties : The substance or mixture is classified as oxidizing with the category 2.

## SECTION 10: STABILITY AND REACTIVITY DATA

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

In the event of fire: see section 5

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity

Skin corrosion/irritation

Serious eye damage/eye irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

In vivo tests showed mutagenic effects

Carcinogenicity

Presumed to have carcinogenic potential for humans

Reproductive toxicity

May damage fertility. May damage the unborn child. Presumed human reproductive toxicant

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Additional Information

RTECS: Not available

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****12.2 Persistence and degradability****12.3 Bioaccumulative potential****12.4 Mobility in soil****12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

**SECTION 14: TRANSPORT INFORMATION**

UN number

ADR/RID: 3086 IMDG: 3086 IATA: 3086

UN proper shipping name

ADR/RID:

IMDG: TOXIC SOLID, OXIDIZING, N.O.S.

IATA: Toxic solid, oxidizing, n.o.s.

**14.3 Transport hazard class(es)**

ADR/RID: 6.1 (5.1) IMDG: 6.1 (5.1) IATA: 6.1 (5.1)

## SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment

For this product a chemical safety assessment was not carried out

## SECTION 16: OTHER INFORMATION

### Product Use:

Laboratory Reagent.

### Disclaimer:

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