



<b>PANDY'S REAGENT</b>	<b>MATERIAL SAFETY DATA SHEET SDS/MSDS</b>
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**

Product name : Pandy's Reagent

Product Code : 874370

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

**1.3 Details of the supplier of the safety data sheet**

Company : Central Drug House (P) Ltd  
7/28 Vardaan House  
New Delhi -110002  
INDIA

Telephone : +91 11 49404040  
Email : [care@cdhfinechemical.com](mailto:care@cdhfinechemical.com)

**1.4 Emergency telephone number**

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

Specific target organ toxicity-single exposure (Category 2), H371  
Specific target organ toxicity-repeated exposure (Category 2), H373  
Acute oral toxicity (Category 3), H301  
Acute dermal toxicity (Category 3), H311  
Skin corrosive (Category 1B), H314  
Acute inhalation toxicity (Category 3), H331

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 Label elements**

**Labelling according Regulation (EC) No 1272/2008**

Pictogram



Signal word

Warning

Hazard statement(s)

H314 Causes severe skin burns and eye damage.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H331 Toxic if inhaled.

H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
Precautionary statement(s)	
P280	Wear protective gloves, protective clothing, eye protection, face protection.
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust, fume, gas, mist, vapours, spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P314	Get medical advice if you feel unwell.
P361	Remove immediately all contaminated clothing.
P403 + P233	Store in well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Supplemental Hazard Statements	none

### 2.3 Other hazards

The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
<b>Calcium-D-Pantothenate</b>		
CAS-No.	137-08-6	

Contains no other components or impurities which will influence the classification of the product.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

## 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

Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Remove to fresh air and keep at rest in a position comfortable for breathing.

#### In case of skin contact

Specific treatment (see on this label). Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

#### In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**If swallowed**

Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. Specific treatment (see on this label).

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

**Symptoms relating to use:** Repeated exposure to this material can result in absorption through skin causing significant health hazard. Causes damage to organ. Causes severe skin burns and eye damage. Danger of serious damage to health by prolonged exposure through inhalation. May cause damage to organs. Swallowing a small quantity of this material will result in serious health hazard.

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

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media:** Foam, Dry powder, carbon dioxide, water spray, sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fires:** Use water spray or fog for cooling exposed containers.

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

Under fire conditions, hazardous fumes will be present. Thermal decomposition generates: Corrosive vapours.

**5.3 Advice for firefighters**

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**5.4 Further information**

No data available

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.

**For non-emergency personnel:** Evacuate unnecessary personnel.

**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**6.4 Reference to other sections**

See section 8. Exposure controls/personal protection

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

**Personal protection:** Do not breathe dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Handling:** Use only outdoors or in a well-ventilated area. Wash contaminated clothing before reuse. Avoid breathing dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray.

**Technical protective measures:** Provide good ventilation in process area to prevent formation of vapour.

**Special precautions :** Avoid breathing dust, fume, gas, mist, vapours, spray.

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

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

**Storage regulation:** Comply with applicable regulations.

**Storage - away from:** Strong bases, Strong acids, Sources of ignition, Direct sunlight.

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 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.

##### Body Protection

Impervious clothing. 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 the 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

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: liquid Colour: Colourless
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	40 - 42 °C
f) Initial boiling point and boiling range	182 °C
g) Flash point	79 °C
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	1.071 g/cm <sup>3</sup>
n) Water solubility	No data available

- o) Partition coefficient: n-octanol/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 No data available

## 9.2 Other safety information

No data available

## SECTION 10: Stability and reactivity

### 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

Direct sunlight. Extremely high or low temperatures.

### 10.5 Incompatible materials

Strong acids, Strong bases.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products:** Fumes, Carbon monoxide, Carbon dioxide. Thermal decomposition generates: Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute inhalation toxicity

Toxic if inhaled.

#### Acute dermal toxicity

Toxic in contact with skin.

#### Acute inhalation toxicity

Toxic if swallowed.

#### Skin corrosion/irritation

Causes skin irritation

#### Serious eye damage/eye irritation

Causes serious eye irritation

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

Causes damage to organ.

**Specific target organ toxicity - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

No data available

**Additional Information**

No data available

**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**12.6 Other adverse effects**

**Environmental precautions:** Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information****14.1 UN number**

ADR/RID: - 2821

IMDG: - 2821

IATA: - 2821

**14.2 UN proper shipping name**

ADR/RID: PHENOL SOLUTION

IMDG: PHENOL SOLUTION

IATA: PHENOL SOLUTION

**14.3 Transport hazard class(es)**

ADR/RID: - 6.1

IMDG: - 6.1

IATA: - 6.1

**14.4 Packaging group**

ADR/RID: - II

IMDG: - II

IATA: - II

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

No data available

**SECTION 15: Regulatory information****15.1 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.

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has been carried out for this substance.

## **SECTION 16: Other information**

### **Full text of H-Statements referred to under sections 2 and 3.**

H314	Causes severe skin burns and eye damage.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.cdhfinechemical.com](http://www.cdhfinechemical.com) for additional terms and conditions of sale.