

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
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MATERIAL SAFETY DATA SHEET (MSDS)

LACTOPHENOL PICRIC ACID (FOR MICROSCOPY)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : LACTOPHENOL PICRIC ACID (FOR MICROSCOPY)

Product code : SI0306800100
 CAS No: N/A

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

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM
 Chaitanya Tower, 2nd Floor, Office # 206,
 Siddharth Nagar, S.V. Road,
 Goregaon (West), Mumbai - 400062,
 Maharashtra, India.
 Contact: +91 22 28725393 / 94 / 95
 Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Muta. Cat. 3; R68
 T; R23/24/25
 Xn; 48/20/21/22
 C; R34

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Germ cell mutagenicity - Category 2 - Warning (CLP : Muta. 2) H341
 Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP : STOT RE 2) H373
 Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331
 Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314
 Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302
 Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311

2.2. Label elements

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2. Hazards identification -DSD (continued)

Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s)

: T : Toxic
C : Corrosive

R Phrase(s)

: R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
R34 : Causes burns.
R48/20/21/22 : Harmful : danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R68 : Possible risks of irreversible effects.

S Phrase(s)

: S4 : Keep away from living quarters.
S24 : Avoid contact with skin.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 : After contact with skin, wash immediately with
S35 : This material and its container must be disposed of in a safe way.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S38 : In case of insufficient ventilation, wear suitable respiratory equipment.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
S53 : Avoid exposure - obtain special instructions before use.
S59 : Refer to manufacturer/supplier for information on recovery/recycling.

Contains

: Water - Phenol - 2,4,6-trinitrophenol; picric acid

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words

: Danger

Hazard statements

: H314 : Causes severe skin burns and eye damage.
H311 : Toxic in contact with skin.
H331 : Toxic if inhaled.
H341 : Suspected of causing genetic defects.
H302 : Harmful if swallowed.
H373 : May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

• General

: P201: Obtain special instructions before use.

• Prevention

: 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.

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2. Hazards identification -DSD (continued)

- Response**
- P270: Do not eat, drink or smoke when using this product.
- : P302+P352: IF ON SKIN : Wash with plenty of soap and water.
 P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.
 P308+P313: If exposed or concerned : get medical advice.
 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.
- Storage**
- : P403+P233: Store in well-ventilated place. Keep container tightly closed.
 P405: Store locked up.
- Disposal considerations**
- : 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.
 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.
- Contains**
- : Water - Phenol - 2,4,6-trinitrophenol; picric acid

2.3. Other hazards

- Other hazards**
- : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

- Substance / Preparation**
- : Preparation.
- Hazardous component(s)**
- : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
2,4,6-trinitrophenol; picric acid	> 1 < 5 %	88-89-1	201-865-9	609-009-00-X	----	Not classified (DSD/DPD)
						Not classified (GHS)
Water	> 75 < 99 %	7732-18-5	231-791-2	-----	----	Not classified (DSD/DPD)
						Not classified (GHS)
Phenol	> 15 < 25 %	108-95-2	203-632-7	604-001-00-2	----	Muta. Cat. 3; R68 T; R23/24/25 Xn; R48/20/21/22 C; R34
						Acute Tox. 3 (skin) _ H311 Acute Tox. 3 (inhal) _ H331 Acute Tox. 3 (oral) _ H301 Skin Corr. 1B _ H314 Eye Dam 1 _ H318 Muta. 2 _ H341 STOT RE 2 _ H373

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4. First aid measures

4.1. Description of first aid measures

Inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.
Skin contact	: Wash contaminated clothing before reuse. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
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.
Ingestion	: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

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. Suspected of causing genetic defects. Causes damage to organ. Causes severe skin burns and eye damage. Danger of serious damage to health by prolonged exposure through inhalation. Swallowing a small quantity of this material will result in serious health hazard.
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4.3. Indication of any immediate medical attention and special treatment needed

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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5. Fire-fighting 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

Hazardous combustion products	: Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Corrosive vapours.
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5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
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5. Fire-fighting measures (continued)

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

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

Handling : Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Obtain special instructions before use. Use only outdoors or in a well-ventilated area.

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)

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LACTOPHENOL PICRIC ACID (FOR MICROSCOPY)

7. Handling and storage (continued)

Specific end use(s) : None.

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection



Personal protection

- Respiratory protection : Avoid all unnecessary exposure.
- Hand protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Skin protection : Wear protective gloves.
- Eye protection : Wear suitable protective clothing.
- Others : Chemical goggles or face shield.
- Others : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Colorless
Odour	: Characteristic.
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: N/A
Flash point [°C]	: No data available.
Boiling point [°C]	: N/A
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.

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9. Physical and chemical properties (continued)

Evaporation rate	: N/A
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: N/A
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: No data available.

9.2. Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidising properties	: No data available.

10. Stability and reactivity

10.1. Reactivity

Reactivity	: Not established.
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10.2. Chemical stability

Chemical stability	: Stable under recommended storage conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions	: Not established.
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10.4. Conditions to avoid

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
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10.5. Incompatible materials

Materials to avoid	: Strong acids. Strong bases.
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10.6. Hazardous decomposition products

MATERIAL SAFETY DATA SHEET (MSDS)

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10. Stability and reactivity (continued)

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

11. Toxicological information

11.1. Information on toxicological effects

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Acute toxicity

- **Inhalation** : Toxic if inhaled.
- **Dermal** : Toxic in contact with skin.
- **Ingestion** : Harmful if swallowed.

Corrosion : Causes severe skin burns and eye damage.

Irritation : Based on available data, the classification criteria are not met.

Sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Suspected of causing genetic defects.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

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12. Ecological information (continued)

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil 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.

13. Disposal considerations

13.1. Waste treatment methods

General : 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.

Special precautions : Hazardous waste due to toxicity.

14. Transport information

14.1. Land transport (ADR-RID)

Proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S.
UN N° : 2922
H.I. nr : 86
ADR - Class : 8
Labelling - Transport : 8 : Corrosive substance. 6.1 : Toxic substances.



ADR - Classification code : CT1
ADR - Group : II
ADR - Packing instructions : P001
ADR - Limited Quantity : 1 L
ADR - Tunnel code



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14. Transport information (continued)

: E : Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG) [English only]

Proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S.
 UN N° : 2922
 IMO-IMDG - Class or division : 8 : Corrosive substance. (6.1 : Toxic substances.)
 IMO-IMDG - Packing group : II
 IMO-IMDG - Packing instructions : P001
 IMO-IMDG - Limited quantities : 1 L
 IMO-IMDG - Marine pollution : Yes
 EMS-Nr : F-A S-B

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S.
 UN N° : 2922
 IATA - Class or division : 8 : Corrosive substance. (6.1 : Toxic substances.)
 IATA - Packing group : II
 IATA - Passenger and Cargo Aircraft : ALLOWED
 - Passenger and Cargo - Packing instruction : 851
 - Passenger and Cargo - Maximum Quantity/Packing : 1 L
 IATA - Cargo only : ALLOWED
 - Cargo only - Packing instruction : 855
 - Cargo only - Maximum Quantity/Packing : 30 L
 IATA - Limited Quantities : 0.5 L
 ERG-Nr : 8P

15. Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.
 REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
 REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

MATERIAL SAFETY DATA SHEET (MSDS)
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In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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