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## MATERIAL SAFETY DATA SHEET (MSDS)

### CONGO RED INDICATOR SOLUTION

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

##### 1.1. Product identifier

Trade name : CONGO RED INDICATOR SOLUTION

Product code : SI0302700500  
 CAS No: 573-58-0

##### 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 : R10  
 Carc. Cat. 2; R45  
 C; R35

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

Health hazards : Carcinogenicity - Category 1A - Danger (CLP : Carc. 1A) H350  
 Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

##### 2.2. Label elements

##### Labelling EC 67/548 or EC 1999/45

Symbol(s)



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**CONGO RED INDICATOR SOLUTION**
**2. Hazards identification -DSD (continued)**

<b>Symbol(s)</b>	: T : Toxic C : Corrosive
<b>R Phrase(s)</b>	: R10 : Flammable. R35 : Causes severe burns. R45 : May cause cancer.
<b>S Phrase(s)</b>	: S3 : Keep in a cool place. S4 : Keep away from living quarters. S16 : Keep away from sources of ignition - No smoking. 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. S43 : In case of fire, use . 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.
<b>Contains</b>	: Ethanol - Water - Congo Red

**Labelling Regulation EC 1272/2008 (CLP)**
**Hazard pictograms**


<b>Signal words</b>	: Danger
<b>Hazard statements</b>	: H314 : Causes severe skin burns and eye damage. H350 : May cause cancer.
<b>Precautionary statements</b>	
• <b>General</b>	: P201: Obtain special instructions before use.
• <b>Prevention</b>	: P280: Wear protective gloves, protective clothing, eye protection, face protection. P260: Do not breathe dust, fume, gas, mist, vapours, spray. P264: Wash thoroughly after handling.
• <b>Response</b>	: 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.
• <b>Storage</b>	: P405: Store locked up.

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**CONGO RED INDICATOR SOLUTION**
**2. Hazards identification -DSD (continued)**

- **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.
- Special labelling** : Restricted to professional users. (Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008)
- Contains** : Ethanol - Water - Congo Red

**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
Congo Red	> 0.01 < 1 %	573-58-0	209-358-4	611-027-00-8	----	Carc. Cat. 2; R45 Repr. Cat. 3; R63  Carc. 1B _ H350 Repr. 2 _ H361d
Ethanol	> 50 < 75 %	64-17-5	200-578-6	603-002-00-5	----	R10 C; R35  Skin Corr. 1A _ H314 Flam. Liq. 3 _ H226
Water	> 50 < 75 %	7732-18-5	231-791-2	----	----	Not classified (DSD/DPD) Not classified (GHS)

**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. Immediately call a POISON CENTER or doctor.
- Skin contact** : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor.
- 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** : Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

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

- Symptoms relating to use** : May cause cancer.  
Causes severe skin burns and eye damage.

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

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**4. First aid measures (continued)**

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

**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.

**5.3. Advice for fire-fighters**

**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.

**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. Collect spillage. Store away from other materials.

**6.4. Reference to other sections**

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### CONGO RED INDICATOR SOLUTION

#### 6. Accidental release measures (continued)

See section 8. Exposure controls/personal protection

#### 7. Handling and storage

##### 7.1. Precautions for safe handling

- Handling** : Do not breathe dust, fume, gas, mist, vapours, spray. Avoid contact during pregnancy or while nursing. Wash thoroughly after handling. Obtain special instructions before use.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

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

- Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
- Storage regulation** : Comply with applicable regulations.
- Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

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

- Specific end use(s)** : None.

#### 8. Exposure controls/personal protection

##### 8.1. Exposure controls

##### Personal protection



- Personal protection** : Avoid all unnecessary exposure.
- **Respiratory protection** : Wear approved mask.
  - **Hand protection** : Wear protective gloves.
  - **Skin protection** : Wear suitable protective clothing.
  - **Eye protection** : Chemical goggles or face shield.
  - **Others** : When using, do not eat, drink or smoke.

##### 8.2. Control parameters

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#### 8. Exposure controls/personal protection (continued)

Occupational Exposure Limits : No data available.

#### 9. Physical and chemical properties

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

Odour threshold : No data available.  
 Melting point [°C] : No data available.  
 Decomposition point [°C] : N/A  
 Flammability (solid, gas) : N/A  
 Boiling point [°C] : N/A  
 Evaporation rate : N/A  
 Vapour pressure mm/Hg : N/A  
 Vapour density : N/A  
 Density [g/cm<sup>3</sup>] : N/A  
 Relative density, gas (air=1) : N/A  
 Relative density, liquid (water=1) : N/A  
 Solubility in water [% weight] : N/A  
 Log Pow octanol / water at 20°C : No data available.  
 Solubility : N/A

##### 9.2. Other information

Explosive properties : N/A  
 Oxidising properties : No data available.

#### 10. Stability and reactivity

##### 10.1. Reactivity

Reactivity : Not established.

##### 10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

##### 10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

##### 10.4. Conditions to avoid

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#### 10. Stability and reactivity (continued)

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

##### 10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

##### 10.6. Hazardous decomposition products

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 : Based on available data, the classification criteria are not met.
- Dermal : Based on available data, the classification criteria are not met.
- Ingestion : Based on available data, the classification criteria are not met.

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.

Carcinogenicity : May cause cancer.

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

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



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#### 12. Ecological information (continued)

Bioaccumulative potential : Not established.

##### 12.4. Mobility in soil

Mobility in soil : Not established.

##### 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.

#### 14. Transport information

##### 14.1. Land transport (ADR-RID)

**Proper shipping name** : ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**UN N°** : 1170  
**H.I. nr** : 33  
**ADR - Class** : 3  
**Labelling - Transport** : 3 : Flammable liquid.



**ADR - Classification code** : F1  
**ADR - Group** : II  
**ADR - Packing instructions** : P001 R001  
**ADR - Limited Quantity** : 1 L



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#### 14. Transport information (continued)

**ADR - Tunnel code** : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.



#### 14.2. Sea transport (IMDG) [English only]

**Proper shipping name** : ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**UN N°** : 1170  
**IMO-IMDG - Class or division** : 3 : Flammable liquid.  
**IMO-IMDG - Packing group** : II  
**IMO-IMDG - Packing instructions** : P001  
**IMO-IMDG - Limited quantities** : 1 L  
**IMO-IMDG - Marine pollution** : No  
**EMS-Nr** : F-E S-D

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

**Proper shipping name** : ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**UN N°** : 1170  
**IATA - Class or division** : 3 : Flammable liquid.  
**IATA - Packing group** : II  
**IATA - Passenger and Cargo Aircraft** : ALLOWED  
     - Passenger and Cargo - Packing instruction : 353  
     - Passenger and Cargo - Maximum Quantity/Packing : 5 L  
**IATA - Cargo only** : ALLOWED  
     - Cargo only - Packing instruction : 364  
     - Cargo only - Maximum Quantity/Packing : 60 L  
**IATA - Limited Quantities** : 1 L  
**ERG-Nr** : 3L

#### 15. Regulatory information

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

## MATERIAL SAFETY DATA SHEET (MSDS)

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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