

**Product name : CleanKraft Drain Opener**

Version 1.0

MSDS Number : SDCKDO-001

Print date : 01-Oct-2015



## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

Trade name	: Clean Kraft Drain Opener
Use of the product	: Drain Opener
Company	: Innochem Labs (India) Private Limited Plot A 15, Road no. 9, IDA Nacharam, Hyderabad, Telangana 500 076.
Emergency telephone	: + 91-40-65551717, +91-7032150008

## 2. HAZARDS IDENTIFICATION

**Eye Contact** May cause permanent damage to eyes

**Skin Contact** Very Corrosive

**Inhalation** Very harmful

**Ingestion** Very Corrosive

### HEALTH EFFECTS ACUTE

**Eyes** Avoid contact with eyes. Risk of serious damage to eyes. May cause burns. Severely irritating to eyes. Seek Medical Attention.

**Skin** Causes serious injury to skin, which may not be immediately painful or visible.

**Inhalation** Causes respiratory irritation. Symptoms may be delayed for several hours.

**Ingestion** Will cause severe mouth, throat and stomach burns. Seek medical attention.

**Environmental Hazard** See section 12 for additional ecological Information.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	Weight %
Sodium hypochlorite	7681-52-9	50-70
Sodium hydroxide	1310-73-2	< 5
Sodium Metasilicate	6834-92-0	0 - 2
Laurylamine oxide	61788-90-7 / 1643-20-5	< 5
Sodium Lauryl sulfate	151-21-3	0.1 - < 1
Other ingredients classified as non hazardous according to NOHSC		to 100

**4. FIRST AIDS AND MEASURES**

Eye Contact	In case of contact with eyes, remove contacts if needed, immediately flush eyes with running water for at least 20 minutes and seek immediate medical attention.
Skin Contact	Avoid spreading material on unaffected skin. Remove contaminated clothing Wash off skin immediately with a large amount of water for at least 15 minutes. If irritation or burning occurs, seek immediate medical attention.
Inhalation	If inhaled, remove affected person from contaminated area. Administer oxygen if breathing is difficult. If symptoms develop and/or persist seek immediate medical attention.
Ingestion	Do not induce vomiting. Rinse mouth. Drink large amount of water. If vomiting occurs, give additional amount of water once stopped. Seek Medical attention.

**Advice to doctor:** Treat symptomatically.**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media: Use water or suitable agent for fires. Do not use solid water streams. Caustic reacts with water, generates heat and can splatter onto personnel.

Specific hazards during firefighting: Contains alkali and bleach components, corrosive product. Contains surfactants.

Unusual Hazards: Hazardous decomposition products may include Oxides of Carbon, unknown Organic compounds and chlorine gas.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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Specific methods:	Standard procedure for chemical fires.						
<b>6. ACCIDENTAL RELEASE MEASURES</b>							
Personal precautions:	Ensure adequate ventilation. Do not let product enter drains or natural waterways.						
Environmental precautions:	Do not allow material to contaminate ground water system.						
Methods for cleaning up:	Wear personal protective equipment.						
Minor Spills:	Soak up with absorbent material and dispose of in an appropriate waste container. Rinse surface with water to remove any residue.						
Major Spills:	Should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.						
<b>7. HANDLING AND STORAGE</b>							
Handling:	Ensure adequate ventilation.						
Safe handling advice:	Avoid all direct contact with the product, wear suitable eye/face and skin protection. Do not mix with acids, or other household products.						
Storage:	Keep locked-up Keep container tightly closed. Store in original container in areas inaccessible to small children and pets. Keep out of Reach of Children.						
Incompatible products:	Do not mix with ammonia, acids, or other household cleaning products.						
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>							
<b>Exposure Standards:</b> Exposure Standards <sup>1</sup> have been set for the following ingredients:							
Ingredient	CAS No.	TWA mg/m <sup>3</sup> ppm		STEL mg/m <sup>3</sup> ppm		Carcinogen Category	Notices
Sodium hydroxide	1310-73-2	2	-	peak limitation		-	-
TWA = Time Weighted Average STEL= Short Term Exposure Limit <sup>1</sup> Worksafe Australia Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003 1995]							

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<b>Engineering Controls</b>	For occupational exposures, ensure adequate ventilation.
<b><u>Personal Protective Equipment</u></b>	
<b>Respiratory protection:</b>	No personal respiratory protective equipment normally required. Use in a well-ventilated area. Emergency responders should wear self-contained breathing apparatus to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
<b>Hand protection:</b>	Avoid contact with the skin. Wear suitable gloves, read label instructions carefully. Emergency responders should wear impermeable gloves.
<b>Skin and body protection:</b>	In case of continuous exposure or occupational operations, wear lightweight protective clothing. Chemical resistant apron. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the product has been dissolved in liquid is possible.
<b>Eye protection:</b>	Corrosive to eyes. Avoid contact with eyes. Wear eye / face protection. Emergency responders should wear full eye and face protection.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. Wash hands with soap and water after handling.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical State</b>	Clear, Viscous Liquid.
<b>Appearance</b>	Liquid.
<b>Colour</b>	Water like colour
<b>Odour</b>	Slight bleach scent.
<b>pH</b>	11.0-13.0 (alkaline)
<b>Vapour Pressure</b>	Not determined
<b>Specific Gravity</b>	1.110 – 1.130

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<b>Flashpoint</b>	Greater than 93°C (>200°F)
<b>Solubility</b>	Completely soluble.
<u>Explosion limits:</u>	
- Upper:	No data available
- Lower:	No data available
<b>10. STABILITY AND REACTIVITY</b>	
<b>Stability</b>	Stable under recommended storage conditions.
<b>Polymerization:</b>	Hazardous polymerization doesnot occur.
<b>Hazardous Decomposition Products:</b>	Oxides of carbon and unknown organic compounds. Chlorine gas.
<b>Materials to avoid:</b>	Acids, Ammonia. Do not use together with other products. May release dangerous gases (Chlorine).
<b>Conditions to avoid:</b>	Store away from excessive heat and moisture.
<b>11. TOXICOLOGICAL INFORMATION</b>	
<u>Product Information</u>	
LC50/inhalation/4h/rat	No information available.
LD50/dermal/rabbit	No information available.
LD50/oral/rat	No information available.
<u>Local Effects</u>	
<b>Skin irritation:</b>	Corrosive liquid. Avoid skin contact.
<b>Eye irritation:</b>	Corrosive liquid. Corrosive to eyes and may cause severe damage including blindness.
<b>Inhalation:</b>	May cause irritation of respiratory tract.
<b>Ingestion:</b>	May be harmful or fatal if swallowed. See section 4 for First Aids Instructions.
<b>Sensitization:</b>	Not expected to be a skin sensitizer.
<b>Chronic toxicity:</b>	No information available.
<u>Specific effects</u>	
<b>Carcinogenic effects:</b>	Not listed as carcinogenic by OSHA, NTP or IARC.

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<b>Mutagenic effects:</b>	No information available.
<b>Reproductive effects:</b>	No information available.
<b>Target organ effects:</b>	No information available.

Information is based on data on the components and the toxicology of similar products.

## 12. ECOLOGICAL INFORMATION

### Product Information

**Aquatic toxicity:** This product is toxic to fish, birds and wildlife. Control any large quantity spills and keep out of any body of water.

### Other Information:

**Ozone depletion potential; (R-11=1)** No information available.

**Global warming potential (GWP)** No information available.

**Additional Ecological Information:** Bulk quantities, if spilled, would be toxic to fish, birds and mammals. Control and clean up all exterior spills and prevent liquid from entering any streams, rivers, lakes and all other bodies of water.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues/ unused products:** Packaging to be recycled only if emptied completely. Empty liquid container can be discarded in the trash or recycled where appropriate.

**Contaminated packaging:** Packaging and container to be recycled only if emptied completely.

**Waste Disposal:** Wear appropriate personal protective equipment when cleaning or handling waste material. Small quantities of waste liquid may be discharged into a sanitary sewer. Discard any absorbed material in trash collection. Rinse empty container thoroughly and discard in trash or recycle. Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state. Provincial and federal regulations.

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#### 14. TRANSPORT INFORMATION

**ICAO/IATA:**

<b>Classification:</b>	UN 3266, Corrosive liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II.
<b>Proper Shipping Name:</b>	Corrosive liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite, Sodium Hydroxide)
<b>Class:</b>	8
<b>Subsidiary Risk:</b>	Not applicable.
<b>Packing Group:</b>	II
<b>Maximum Quantity</b>	See DG list.

#### 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Classified as Corrosive material.
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#### 16. OTHER INFORMATION

**India:**  
**Regulatory, Safety & Environmental Services**

Within India Ph: 91-40-65551717, 91-7032150008

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