

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

Product Name: CLEAN SENSATION, Liquid Machine Dishwasher Detergent

Other means of Identification: Not applicable

Recommended use: Machine Warewashing Detergent

Restrictions on use: Reserved for industrial and professional use

Product dilution information: 0.08% - 0.11%

Company: Sensibly Clean Inc.  
5040 Maingate Drive, Unit 10 & 11  
Mississauga, Ontario Canada L4W 1X5  
905-206-1769

Emergency Health Information: CANUTEC – 613 996 6666

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**Section 2: HAZARD IDENTIFICATION**

**GHS Classification**

Product AS SOLD  
Skin corrosion: Category 1A  
Serious Eye Damage: Category 1

**Product AT USE DILUTION**

Not a hazardous substance or mixture

**GHS Label Element**

**Product AS SOLD**

Hazard pictograms



Signal Word: Danger

Hazard Statements: Causes severe skin burns and eye damage

Precautionary Statements: **Prevention:** Wash skin thoroughly after handling. Wear protective gloves/protective Clothing / eye protection / face protection.  
**Response:** IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or Doctor/Physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or Doctor/Physician. Wash contaminated clothing before reuse.  
**Storage:** Store locked up.  
**Disposal:** Dispose of contents/container to an approved waste disposal plant.

**Product AT USE DILUTION**

Precautionary Statements:

**Prevention:**

Wash hands thoroughly after handling.

**Response:**

Get medical advice/attention if you feel unwell.

**Storage:**

Store in accordance with local regulations.

**Product AS SOLD**

Other hazards:

None Known

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS****Product AS SOLD**

Pure substance / mixture:

Mixture

**Chemical Name**

Sodium hydroxide

**CAS-No.**

1310-73-2

**Concentration: (%)**

10 – 30

**Product AT USE DILUTION**

No hazardous ingredients

**Section 4: FIRST AID MEASURES****Product AS SOLD**

In case of eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact:

Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

If swallowed:

Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled:

Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders:

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to Physician:

Treat symptomatically

Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms

**Product AT USE DILUTION**

In case of eye contact:

Rinse with plenty of water

In case of skin contact:

Rinse with plenty of water

If swallowed:

Rinse mouth. Get medical attention if symptoms occur

If inhaled:

Get medical attention if symptoms occur

**Section 5: FIREFIGHTING MEASURES****Product AS SOLD**

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the

Unsuitable extinguishing media:	Surrounding environment. None Known
Specific hazards during Firefighting	Not flammable or combustible
Hazardous combustion products:	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus
Special protective equipment for Firefighters:	Use personal protective equipment
Specific extinguishing methods:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion, do not breathe fumes.
Risk of explosion:	Not Available

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### **Product AS SOLD**

Personal precautions, protective Equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When working in concentrations above the exposure limit, use of appropriate certified respirators required. Ensure clean-up is conducted by trained personnel only. Refer to protective measure Section 7/8

Environmental precautions:

Do not allow contact with soil, surface or ground water.

Methods and materials for Containment and clean up:

Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (eg: sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13) Flush away traces with water. For large spills, dike spilled material or otherwise contain mater to ensure runoff does not reach a waterway.

### **Product AT USE DILUTION**

Personal precautions, protective equipment and emergency procedures:

Refer to protective measures listed in Sections 7 and 8

Environmental precautions:

No special environmental precautions required.

Methods and materials for containment and clean up:

Stop leak if safe to do so. Contain spillage and then collect with non-combustible absorbent material (eg: sand, earth, diatomaceous earth, vermiculite) and lace in container for disposal according to local / national regulations (see Section 13) Flush away traces with water. For large spills, dike spilled material, or otherwise contain material to ensure runoff does not reach a waterway.

## **Section 7: HANDLING AND STORAGE**

### **Product AS SOLD**

Advice on Safe Handling:

Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breath dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Wash hands thoroughly after handling.  
SAFETY REMINDER;  
\*Never pour product into unlabeled containers  
\*Use only for recommended uses. Read Label  
\* Never take product home. Use only in the workplace.

Conditions for safe storage:

Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature:

0 c to 50 c (Zero to 50 degrees C)

**Product AT USE DILUTION**

Advice on safe handling:

Wash hands after handling. For personal protection see Section 8.

Conditions for safe storage:

Keep out of reach of children. Store in suitable labeled containers.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Product AS SOLD****Components with workplace control parameters**

COMPONENTS	CAS-NO.	Form of Exposure	Permissible Concentration	Basis
Sodium Hydroxide	1320-73-2	(c)	2mg/m3	CAD AB OEL
		C	2mg/m3	CAD BC OEL
		C	2mg/m3	OEL (QUE)
Sodium Hydroxide	1310-73-2	Ceiling	2mg/m3	ACGIH
		Ceiling	2mg/m3	NIOSH REL
		TWA	2mg/m3	OSHA Z1

Engineering measures:

Effective exhaust ventilation system. Maintain air concentrations below occupational Wear the following exposure standards.

**Personal protective equipment**

Eye Protection:

Wear eye protection / face protection

Hand Protection:

Wear the following personal protective equipment:

Standard glove type.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin Protection:

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.

Respiratory Protection:

When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Product AT USE DILUTION**

Engineering measures:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Eye protection:

No special protective equipment required

Hand protection:

No special protective equipment required

Skin protection:

No special protective equipment required

Respiratory protection:

No special protective equipment required

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****Product AS SOLD****Product AT USE DILUTION**

Appearance:	Liquid	Liquid
Colour:	Clear, dark red	Light Pink
Odour:	Odourless	Odourless
viscpH	13.5, 100%	10.6 – 11.3
Flash point:	Not applicable	
Odour Threshold:	No data available	
Melting point/freezing point:	No data available	
Initial boiling point and boiling range:	No data available	
Evaporation rate:	No data available	
Flammability (solid, gas):	No data available	
Upper explosion limit:	No data available	
Lower explosion limit:	No data available	
Vapour pressure:	No data available	
Relative vapour density:	No data available	
Relative density:	1.25	
Water solubility:	Soluble	
Solubility in other solvents:	No data available	
Partition coefficient: n-octanol/water:	No data available	
Auto-ignition temperature:	No data available	
Thermal decomposition:	No data available	
Viscosity, kinematic:	No data available	
Explosive properties:	No data available	
Oxidizing properties:	No data available	
Molecular weight:	No data available	
VOC:	No data available	

## Section 10: STABILITY AND REACTIVITY

### Product AS SOLD

Chemical stability:	Stable under normal conditions
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use
Conditions to avoid:	None known
Incompatible materials:	Acids
Hazardous decomposition products:	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus

## Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

### Potential Health Effects

#### Product AS SOLD

Eyes:	Causes serious eye damage
Skin:	Causes serious skin burns
Ingestion:	Causes digestive tract burns
Inhalation:	May cause nose, throat, and lung irritation.
Chronic Exposure:	Health injuries are not known or expected under normal use.

#### Product AT USE DILUTION

Eyes: Health injuries are not known or expected under normal use

Skin:	Health injuries are not known or expected under normal use
Ingestion:	Health injuries are not known or expected under normal use
Inhalation:	Health injuries are not known or expected under normal use
Chronic Exposure:	Health injuries are not known or expected under normal use

### Experience with Human Exposure

#### Product AS SOLD

Eye Contact:	Redness, Pain, Corrosion
Skin Contact:	Redness, Pain, Corrosion
Ingestion:	Corrosion, Abdominal Pain
Inhalation:	Respiratory irritation, Cough

#### Product AT USE DILUTION

Eye Contact:	No symptoms known or expected
Skin Contact:	No symptoms known or expected
Ingestion:	No symptoms known or expected
Inhalation:	No symptoms known or expected

### Toxicity

#### Product AS SOLD

Acute oral toxicity:	No data available
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Carcinogenicity	No data available
Reproductive effects:	No data available
Germ cell mutagenicity:	No data available
Teratogenicity:	No data available
STOT – single exposure	No data available
STOT – repeated exposure	No data available
Aspiration toxicity:	No data available

## Section 12: ECOLOGICAL INFORMATION

#### Product AS SOLD

##### Ecotoxicity

Environmental Effects:	This product has no know ecotoxicological effects
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#### Products

Toxicity to Fish:	No data available
Toxicity to daphnia and other	

Aquatic invertebrates: No data available  
Toxicity to algae: No data available

### Components

Toxicity to daphnia and other  
Aquatic invertebrates: sodium hydroxide  
48 h EC50: 40 mg/l

### Persistence and degradability

No data availability

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## Section 13: DISPOSAL CONSIDERATIONS

### Product AS SOLD

Disposal methods: Where possible recycling is preferred to disposal or incineration. If recycling is not practical, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations: Dispose of as unused product. Empty containers should be taken to an approved waste Handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local and federal regulations.

### Product AT USE DILUTION

Disposal methods: Diluted product can be flushed to sanitary sewer

Disposal considerations: Dispose of in accordance with local and federal regulations.

## Section 14: TRANSPORT INFORMATION

### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling and markings are in compliance with the selected mode of transport.

### Land Transport (TDG)

UN number	1824
Description of Goods	SODIUM HYDROXIDE SOLUTION
Class	8
Packing Group	II
Environmentally Hazardous	No

### Product AT USE DILUTION

Not intended for transport

## Section 15: REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

The components of this product are reported in the following inventories:

### United States TSCA Inventory

On TSCA Inventory

### Canadian Domestic Substances List (DSL)

All components of this product are on the Canadian DSL

**Section 16: OTHER INFORMATION**