

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

Product Name "KAM-1" (HE) Liquid Laundry Detergent  
 Other means of Identification Not applicable  
 Recommended use Laundry  
 Restrictions on use Reserved for industrial and professional use  
 Product dilution information:  
 Company Exttox Industries Inc.  
 6419Netherhart rd, Mississauga, ON L5T 1C3  
 CANUTEC – 613 996 6666  
 Emergency Health Information  
 Issue Date: February 4, 2019

**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: Caution:

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 As Sold**

Precautionary Statements: **Prevention:** Wash hands thoroughly after handling.  
**Response:** Get medical advice/attention if you feel unwell.  
**Storage:** Store in accordance with local regulations.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**Product AS SOLD**

Pure substance / mixture: Mixture

<b>Chemical Name</b>	<b>CAS-No.</b>	<b>Concentration: (%)</b>
Sodium Hydroxide	1310-73-20	4-8
Dodecyl Benzene Sulfonic Acid	2716-87-0	6-12
Ethoxylated Alcohol	68131-30-5	6-12
Ethylenediaminetetracetic Acid	64-02-8	2-4

#### **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.
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
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 Surrounding environment.
Unsuitable extinguishing media:	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 breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation  
SAFETY REMINDER;

\*Never pour product into unlabeled containers

\*Use only for recommended uses. Read Label

Conditions for safe storage:

.Keep out of reach of children.

Store in suitable labeled containers.

Storage temperature:

Zero to 40 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	1310-73-2	c	2mg/m3	CAD/AB/OE
DODECYLBENZENE SULFONIC ACID	27176-87-0	twa	Not Listed	Not Listed
Ethoxylated Alcohol	68131-30-5	Not Listed	Not Listed	Not Listed
Ethylenediaminetetracetic Acid	64-02-8	Not Listed	Not Listed	Not Listed

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

#### Personal protective equipment

Eye Protection: Wear eye protection

Hand Protection: :Standard glove type..

Skin Protection: No special, protection needed.

Respiratory Protection: No special, protection needed.

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.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Light Redf
Odour:	Fragranced
viscpH	8-10
Flash point:	n/a
Odour Threshold:	n/a
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Not flammable
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:	
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:

## Section 11: TOXICOLOGICAL INFORMATION

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

### Potential Health Effects

#### Product AS SOLD

Eyes:	May cause eye damage
Skin:	May cause skin irritation
Ingestion:	May cause digestive tract burns
Inhalation:	Health injuries are not known or expected under normal use.
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, Irritation
Skin Contact:	Redness, Pain
Ingestion:	Abdominal Pain
Inhalation:	Respiratory irritation,

#### 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
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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 known ecotoxicological effects

### 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: 48 h EC50: 40 mg/l

### Persistence and degradability

No data available

### 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	No Dangerous Goods
Description of Goods	
Class	
Packing Group	
Environmentally Hazardous	

##### **Product AT USE DILUTION**

No Dangerous Goods

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**