

Sai Fertilizers & Phosphates Pvt. Ltd	PRODUCT:  SaiKlenS		
SDS NUMBER: 01		Rev.DATE: 29.1.2021	

## SAFETY DATA SHEET

### 1. IDENTIFICATION

Trade Name:	SaiKlenS
Chemical Name :	Linear Alkyl Benzene Sulphonic Acid
Major recommended uses for the substance or mixture:	Surfactant most used worldwide in the production of detergent powders and liquids used in household cleaning and detergent formulations in other institutional and industrial application.
Company name:	Sai Fertilizers & Phosphates Pvt. Ltd
Address:	Plot No. N-45,Additional Ambernath MIDC, ,Anandnagar Dist.- Thane 421501, Maharashtra.
Telephone number:	+91 8390933442
Emergency telephone number:	+91 8390933442
E-mail:	<a href="mailto:saimumbai@foglagroup.com">saimumbai@foglagroup.com</a>

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture:

Acute toxicity:	Category 4 (Oral)
Skin corrosion/ irritation:	Category 1C
Eye damage/ irritation:	Category 1

#### Environmental Hazards

Hazardous to the aquatic environment, acute hazard.	Category 1
Hazardous to the aquatic environment, long –term hazard	Category 3

#### GHS label elements:

#### Pictograms:



#### Word of warning:

Danger

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**Hazard Statement:**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H401	Hazardous to aquatic life.
H412	Harmful to aquatic life with long term effect.

**Precaution Statement:**

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+312	IF Swallowed Call a poison centre or doctor/physician if you feel unwell
P330	Rinse mouth.
P501	Dispose of contents/container
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	If in eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call poison Centre or doctor/physician.

**Other hazards which do not result in a classification:**

Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**MIXTURE**

Common Chemical Name or Technical Name	Linear Alkyl Benzene Sulphonic Acid
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**Other Ingredients or impurities :**

Chemical name or common	CAS registry number	Concentration or concentration range
Linear Alkyl Benzene Sulphonic Acid (Acid Slurry)	68584-22-5	≥96%
Free Sulfuric Acid	7664-93-9	≤2.0%

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Water/Inert	-----	≤2.0%
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### 4. FIRST-AID MEASURES

#### First-aid measures:

	May cause burn, Remove contaminated clothing and wash with plenty of water. Call physician immediately.
Eye	Flush eyes immediately with running water for long time. Seek medical assistance immediately.
Inhalation/ Ingestion:	May cause irritation of the mouth. If accidentally ingested, administered water. Call physician immediately .

#### Most important symptoms and effects, acute and delayed:

Symptoms:	May cause burns to mouth, throat and stomach. Severe skin burns and eye damage.
Effect:	Stomach pains. Pain or irritation, redness, blistering of the skin. Pain, tearing, and redness of eyes.
Notes to physician:	Treat symptomatically.  . Dilute the acid by administering large amounts of water or milk. Following administer soft neutralizing, such as milk of magnesia, lime water, aluminum hydroxide gel or soap solution.  Also do not use sodium carbonate or bicarbonate, which react with the acids producing carbon dioxide.  In case of more pronounced and severe burns, apply symptomatic treatment.

### 5. FIREFIGHTING MEASURES

Suitable (and unsuitable)Extinguishing media:	Suitable: Water spray, Foam, CO2. Unsuitable: None in particular.
Extinguishing media not recommended:	Water jets directly over the burning liquid.

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<b>Specific hazards of the substance or mixture:</b>	<p>During firing can be release toxic gases, SO<sub>2</sub> and H<sub>2</sub>S.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In combustion releases toxic and corrosive gases such as carbon monoxide, carbon dioxide and oxides of sulfur.</p>
<b>Protective measures for the firefighting team:</b>	<p>Full protective equipment for firefighters.</p> <p>Position themselves with their backs to the wind.</p> <p>Use respiratory protective equipment in fire fighting</p> <p>Fire-fighting measures:</p> <p>Turn off all sources of ignition;</p> <p>Apply the extinguishing agent set properly;</p>

## 6. SPILL AND LEAK CONTROL MEASURES

### Personal precautions, protective equipment and emergency procedures:

<b>For non-emergency personnel:</b>	<p>Use personal protective equipment.</p> <p>Avoid inhalation, contact with eyes and skin.</p>
<b>For emergency responders:</b>	<p>Use resistant protective clothing to chemicals, PVC gloves and boots. Safety glasses against dripping. If you suspect the presence of vapors, the rescuer should wear an appropriate mask or self-contained breathing apparatus.</p> <p>It can be dangerous to the one who applies artificial respiration.</p> <p>Wash contaminated clothing thoroughly with water before removing it, wear gloves during the entire operation clothes.</p>

### Environmental precautions:

Prevent the flow of product to rivers, streams, water courses or low-lying areas, underground sewers, wells, soil and vegetation.

**On land:** Soak up with absorbent material (sand, acid binder agent, universal binder, sawdust).  
Collect all the waste in suitable containers and labelled and dispose in accordance with local legislation.  
Communicate the authorities and alert the neighborhood if necessary

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Take contaminated Water to the effluent Treatment Plant.

**In water:** Treat it properly and ensure it meets Pollution Control norms

<b>Methods and materials for containment and cleaning up:</b>	Absorb the material with absorbent material (sand, acid binder, universal binder, sawdust).  Place in appropriate container for recycling or disposal.
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## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	<p>Handle in a ventilated area or with general ventilation system / local exhaust.</p> <p>Avoid formation of vapors / mists.</p> <p>Avoid contact with incompatible materials.</p> <p>Use appropriate protective equipment.</p> <p>Handle the product in a cool and well-ventilated place.</p> <p>In the loading/ unloading operations shall be avoided packaging falls, disappearance of product identification.</p> <p>Heavier packages must be transported by forklift.</p> <p>Do not mix with incompatible products.</p> <p>Label the packaging.</p> <p>Wash hands and face after handling and before eating and drinking.</p> <p>Remove contaminated clothing and protective equipment before entering in eating areas.</p> <p>Do not eat, drink or smoke in areas where this material is handled, stored and processed.</p>
<b>Conditions for safe storage, including any incompatibilities</b>	<p>Store at temperatures below 40°C.</p> <p>Store in a dry, cool and well-ventilated place.</p> <p>Keep away from alkaline oxidizing agents.</p> <p>Keep away from heat and sources of ignition.</p> <p>Use stainless steel for the construction of tanks and pipes. Alternatively, one may use carbon steel tanks coated (for example with epoxy or polyester resins).</p> <p>Avoid exposure of drums under the sun, rain and high temperatures.</p> <p>If stored in carbon steel tanks, corrosion can extract a small amount of</p>

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	iron, which affects the product.  Plastic containers, 316L stainless steel tanks and carbon steel coated tanks with epoxy resins or polyester.  Do not store in unlabeled containers.
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### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters	
Occupational exposure limits:	Not established
Biological indicators:	Not established
Other limits and values:	Not established
Appropriate engineering controls: Individual protection measures	If stored in confined space provide ventilation / exhaust system.

Eye/ face protection:	Use goggles /space shield
Skin and body protection:	Full clothing (pants and long sleeve), PVC gloves and boots (acid-resistant).

Thermal Hazards:	Not applicable.
Special precautions:	Chemicals should only be handled by trained people; Install shower and eyewash on shop floor  Strictly follow the operating procedures and safety when working with chemicals.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance (physical state, color, shape, etc.):	Honey Brown viscous liquid
Odor and odor threshold:	Characteristic
pH:	<2
Melting point/freezing point:	< -7°C
Initial boiling point and boiling range:	190°C
Flashpoint:	150°C
Evaporation rate:	Not available
Inflammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapour Pressure:	<1 mm of Hg @ 20°C
Vapour density:	Not available
Relative density:	1.040 to 1.046 g/cm <sup>3</sup> [25°C]
Solubility (Water):	soluble in water, may Gel
Partition coefficient: n-octanol/ water:	3.32
Auto-ignition temperature:	380°C
Decomposition temperature:	Not available
Viscosity:	400-1000Cps @ 30°C

### 10. REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	Stable under normal conditions of temperature and pressure.
Possibility of hazardous reactions:	Is reactive with alkaline bases and oxidizing agents. The reaction with sulfides, phosphides, cyanide, carbides and silicides release poisonous gases.



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<b>Conditions to avoid:</b>	Contact with metals, oxides, carbides and carbonates.
<b>Incompatible materials:</b>	Metals, oxides, carbides, carbonates and hydroxides.
<b>Hazardous decomposition products:</b>	In the burning, gases and partial and total combustion vapors are produced, such as carbon monoxide and carbon dioxide. The smoke can also contain sulfur oxides and hydrogen sulphide, which may be toxic.

### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	LD50 (oral, rats): 775 mg/kg
<b>Serious eye damage/ eye irritation:</b>	Irritating.
<b>Respiratory or skin sensitization:</b>	Respiratory: not present significant effects or critical hazards. Skin: corrosive to the skin.
<b>Carcinogenicity:</b>	Not available.
<b>Toxicity to reproduction:</b>	Not available.
<b>Specific target organ toxicity - Single exposure:</b>	Not available.
<b>Specific target organ toxicity - Repeated exposure:</b>	Not available.
<b>Aspiration Hazard:</b>	Not available.

#### Main symptoms

<b>Inhalation:</b>	Not available.
<b>Ingestion:</b>	Stomach pain
<b>Eye Contact:</b>	Pain, tearing, redness
<b>Skin Contact:</b>	Pain or irritation, redness, blistering of the skin may occur.

#### Specific effects

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<b>Inhalation:</b>	Gases and vapors very irritating to the airways
<b>Ingestion:</b>	Harmful if swallowed. Can cause burns to the mouth, throat and stomach.
<b>Eye Contact:</b>	Causes severe eye injury.
<b>Skin Contact:</b>	Causes severe burns.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	LC50 ( <i>Daphnia magna</i> , 48h): 9,3 – 11,6 mg/L
<b>Persistence and degradability:</b>	Aerobic biodegradation is main mechanism for removal
<b>Bioaccumulative potential:</b>	The extract did not bioconcentrate in aquatic organisms.
<b>Mobility in soil:</b>	The extract is soluble in water, showing high mobility in the soil.
<b>Other adverse effects:</b>	No significant effects or critical hazards.

## 13. CONSIDERATIONS ON TREATMENT AND DISPOSAL

### Recommended methods for disposal

<b>Product:</b>	Significant amounts of residual waste product should not be removed by channeling wastewater, but processed in a Effluent Treatment Plant Remove any excess products and non-recyclable products through an authorized waste disposal company.
<b>Product waste:</b>	Keep the product remains in their original containers and properly sealed.

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<b>PPE required for treatment and disposal of waste:</b>	Use safety chemistry goggles.
	Use impervious gloves, rubber boots and protective clothing to prevent skin contact.
	Respiratory protection with filter for protection of organic vapors and acid gases.

### 14. TRANSPORT INFORMATION

#### National and international regulations

##### Land:

UN - "United Nations"  
Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations, 16th Edition, 2009.

<b>UN number</b>	2586
<b>UN proper shipping name</b>	Alkyl sulphonic acid., liquid
<b>Class/subclass of main risk</b>	8
<b>Class/subclass of subsidiary risk</b>	Not applicable
<b>Risk number</b>	80
<b>Packing group</b>	III
<b>Danger to the environment</b>	No known significant effects or critical hazards

##### Sea:

IMO - "International Maritime Organization"  
International Maritime Dangerous Goods Code (IMDG Code) - Incorporating Amendment 34-08; 2008 Edition.

<b>UN number</b>	2586
<b>UN proper shipping name</b>	Alkyl sulphonic acid, liquid
<b>Class/subclass of main risk</b>	8
<b>Class/subclass of subsidiary risk</b>	Not applicable
<b>Risk number</b>	80
<b>Packing group</b>	III
<b>Danger to the environment</b>	No known significant effects or critical hazards

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Air:

IATA - "International Air Transport Association"  
Dangerous Goods Regulation (DGR) - 51th Edition, 2010.

UN number	2586
UN proper shipping name	Alkyl sulphonic acid, liquid
Class/subclass of main risk	8
Class/subclass of subsidiary risk	Not applicable
Risk number	80
Packing group	III
Danger to the environment	No known significant effects or critical hazards

15. REGULATORY INFORMATION

Globally Harmonized System of Classification and Labeling of Chemicals (GHS), UN.

16. OTHER INFORMATION

Important information, but not specifically described at the previous sections:	<p>If necessary, or in case of doubts, contact or visit our web site at: www.foglagroup.com</p> <p>Additional information available by formal request.</p>
References:	Other MSDS Available Through Net.

Revision No.	Reason
00	New SDS
01	Revised as per GHS Compliance
02	H & P Codes included

Remarks:

Although the information and recommendations set forth herein are presented in good faith and believed to be correct. At the Same time, Sai Fertilizers & Phosphates Pvt. Ltd makes no representations as to the completeness or accuracy thereof. Information is provided on the condition that the persons receiving adopt their own criteria regarding safety and ability to adapt to their purposes prior to use.