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# SAFETY DATA SHEET

## 1. Identification

**Product name** ALKALINE DESCALER 1107A  
**Other means of identification** No data available.  
**Recommended use:** Not available.  
**Restrictions on use:** Not known.

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name: Fuchs Lubricants Co.  
Address: 17050 Lathrop Avenue  
Harvey, Illinois 60426  
Telephone: 708-333-8900  
Fax: 708-333-9180

Contact Person: EHS Department  
E-mail: sds@fuchs.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

Skin Corrosion/Irritation	Category 1A
Serious Eye Damage/Eye Irritation	Category 1

### Label Elements

#### Hazard Symbol:



**Signal Word:** Danger

**Hazard Statement:** Causes severe skin burns and eye damage.

#### Precautionary



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## Statement

**Prevention:** Do not breathe dust or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor when symptoms persist or in emergency situations. Specific treatment (see the specific response guidance provided herein). Wash contaminated clothing before reuse.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:** None.

### Unknown toxicity - Health

Acute toxicity, oral	36 %
Acute toxicity, dermal	36 %
Acute toxicity, inhalation, vapor	47 %
Acute toxicity, inhalation, dust or mist	43 %

## 3. Composition/information on ingredients

### Hazardous Component(s):

Chemical name	CAS-No.	Concentration
Sodium hydroxide	1310-73-2	30 - 60%
Potassium hydroxide	1310-58-3	3 - 7%
Sodium chloride	7647-14-5	3 - 7%
D-Gluconic acid	526-95-4	1 - 5%

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

## 4. First-aid measures

**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.



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**Inhalation:** Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. Move to fresh air. If breathing is difficult, give oxygen.

**Skin Contact:** Call a physician or poison control center immediately. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

## Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

## Indication of immediate medical attention and special treatment needed

**Treatment:** Symptoms may be delayed.

## 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** No data available.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Heat may cause the containers to pressurize and possibly rupture. During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not handle damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.



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**Methods and material for containment and cleaning up:**

Absorb spill with an inert material, then place in a container for safe and proper disposal. Dike far ahead of larger spill for later recovery and disposal.

**Environmental Precautions:**

Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so and protect against releases into the environment. Remediate as appropriate.

## 7. Handling and storage

**Precautions for safe handling:**

Provide adequate ventilation. Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wash hands thoroughly after handling. Use caution when adding this material to water. Do not get in eyes, on skin, on clothing.

**Conditions for safe storage, including any incompatibilities:**

Store locked up.

## 8. Exposure controls/personal protection

### Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Sodium hydroxide	PEL	2 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Sodium hydroxide	Ceiling	2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2012)
Potassium hydroxide	Ceiling	2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2012)

**Protective Measures:**

Provide easy access to water supply and eye wash facilities. Good general ventilation should be provided. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Respiratory Protection:**

In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

**Eye Protection:**

Wear a full-face respirator, if needed. Wear safety glasses with side shields (or goggles) and a face shield.

**Skin and Body Protection:**

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Hygiene measures:**  
SDS\_US

Do not get in eyes. Observe good industrial hygiene practices. Wash



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contaminated clothing before reuse. Do not get this material in contact with skin. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

### Appearance

Physical state:	Liquid
Form:	No data available.
Color:	Yellow
Odor:	Mild
Odor threshold:	No data available.
pH:	14
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	1.46
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

## 10. Stability and reactivity

Reactivity:	Not reactive during normal use.
Chemical Stability:	No data available.
Possibility of Hazardous Reactions:	None under normal conditions.



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<b>Conditions to Avoid:</b>	Avoid heat or contamination.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion:</b>	Harmful if swallowed.
<b>Inhalation:</b>	Harmful if inhaled.
<b>Skin Contact:</b>	Causes severe skin burns.
<b>Eye contact:</b>	Causes serious eye damage.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral Product:</b>	ATEmix (): 2000 - 5000 mg/kg
<b>Dermal Product:</b>	ATEmix (): > 5000 mg/kg
<b>Inhalation Product:</b>	Not classified for acute toxicity based on available data.
<b>Repeated dose toxicity Product:</b>	No data available.

<b>Skin Corrosion/Irritation Product:</b>	No data available.
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<b>Serious Eye Damage/Eye Irritation Product:</b>	No data available.
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## Respiratory or Skin Sensitization

**Product:** No data available.

## Carcinogenicity

**Product:** No data available.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

## Germ Cell Mutagenicity

### In vitro

**Product:** No data available.

### In vivo

**Product:** No data available.

## Reproductive toxicity

**Product:** No data available.

## Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

## Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

## Aspiration Hazard

**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

**General information:** This product has not been evaluated for ecological toxicity or other environmental effects.

## 13. Disposal considerations



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**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:** Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

UN Number: UN 1760  
UN Proper Shipping Name: Corrosive liquids, n.o.s.(Sodium Hydroxide)  
Transport Hazard Class(es)  
Class: 8  
Label(s): 8  
Packing Group: II  
Marine Pollutant: No  
  
Special precautions for user: –

### IMDG

UN Number: UN 1760  
UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Sodium Hydroxide)  
Transport Hazard Class(es)  
Class: 8  
Label(s): 8  
EmS No.: F-A, S-B  
Packing Group: II  
Marine Pollutant: Not regulated.  
Special precautions for user: –

### IATA

UN Number: UN 1760  
Proper Shipping Name: Corrosive liquid, n.o.s.(Sodium Hydroxide)  
Transport Hazard Class(es):  
Class: 8  
Label(s): 8  
Packing Group: II  
Environmental Hazards: Not regulated.  
Special precautions for user: –  
Other information  
Passenger and cargo aircraft: Allowed.  
Cargo aircraft only: Allowed.





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## 15. Regulatory information

### US Federal Regulations

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Reactive/Immediate (Acute) Health Hazards

##### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

### US State Regulations

#### US. California Proposition 65

No component is regulated by CA Prop 65.

## 16. Other information, including date of preparation or last revision

**Issue Date:** 20.10.2015

**Revision Date:** 20.10.2015

**Version #:** 1.0

**Further Information:** No data available.

**Disclaimer:** **This information is provided without warranty.** The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.