



**Material Safety Data Sheet**

**ALKA-SUDS**

Gurtler Industries, Inc.  
15475 South LaSalle Street  
South Holland, IL 60473  
(708) 331-2550  
(800) 638-7300

In Case Of Emergency (24 hours)  
INFOTRAC (800) 535-5053

For Information  
(708) 331-2550

**SECTION 1 - IDENTIFICATION**

COMPANY NAME: Gurtler Industries, Inc.  
15475 South LaSalle Street  
South Holland, IL 60473  
PHONE NUMBER: 708-331-2550  
EMERGENCY NUMBER: INFOTRAC (800) 535-5053 - 24 Hours Everyday  
EFFECTIVE DATE: 8/10/01  
PREPARED BY: Jusitn Yohn  
TRADE NAME: Alka-Suds  
GENERAL USE: Built Soap

**SECTION 2 - INGREDIENT INFORMATION**

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)	CAS REGISTRY NO.	PEL (OSHA)	TLV (ACGIH) (Units)	HAZARDOUS %
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (ceiling)	
Sodium Carbonate	497-19-8	N.E.	N.E.	
Silicic Acid, Disodium Salt	6834-92-0	N.E.	N.E.	
Nuisance Dust	None	15 mg/ m <sup>3</sup> – Total dust 5 mg/m <sup>3</sup> – Respiratory Dust	10 mg/m <sup>3</sup> – Total Dust 5 mg/m <sup>3</sup> – Respiratory Dust	

This product is not subject to the toxic chemical reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

**SECTION 3 - HEALTH HAZARD DATA**

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (H.M.I.S.) HAZARD RATINGS**

Hazard Rating Scale	0-None	1-Slight	2-Moderate
	3-Serious	4-Severe	
HMIS Health (Acute) .....	3		HMIS Flammability .....
HMIS Reactivity.....	2		1

**EMERGENCY OVERVIEW**

Appearance and Odor..... A tan powder with a soap odor.  
Symptoms of Overexposure..... Irritation of skin with a latent period before sensation of irritation, varies from minutes to hours, depending on concentration.

**EFFECTS OF ACUTE OVEREXPOSURE**

Routes of Entry (X) Inhalation (X) Skin  
Inhalation ..... Inhalation of dust or mist can cause mild irritation at 2 mg/m3. More severe burns and tissue damage at the upper respiratory tract can occur at higher concentrations. Pneumonitis can result from severe exposures.  
Skin ..... Major potential hazard – Bead or liquid contact with the skin can cause severe burns with deep ulcerations. Contact with dust or mist can cause multiple burns with temporary loss of hair at burn site. Solutions of up to 4% in water may not cause irritation and burning for several hours, while 25 to 50% solutions can cause these effects in less than 3 minutes.



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**Eyes** ..... Major potential hazard – Beads in the eye can cause severe destruction and blindness. These effects can occur rapidly, effecting all parts of the eye. Mist or dust can cause irritation, with high concentrations causing destructive burns.

**Ingestion** ..... Ingestion of sodium hydroxide can cause severe burning and pain in lips, mouth, tongue, throat and stomach. Severe scarring of the throat can occur after swallowing. Death can result from ingestion.

**SECTION 4 - FIRST AID MEASURES**

**IN CASE OF EYE CONTACT:** Wash eyes immediately with large amounts of water (preferably eyewash fountain), lifting the upper and lower eyelids occasionally. Continue washing for a minimum of 15 minutes. Get medical attention immediately.

**IN CASE OF SKIN CONTACT:** Remove contaminated clothing and immediately wash skin thoroughly for a minimum of 15 minutes with large quantities of water (preferably a safety shower). Get medical attention.

**IF INHALED:** Move person to fresh air. If breathing stops, administer artificial respiration. Get medical attention immediately.

**IF INGESTED:** If person is conscious, give large quantities of water to dilute caustic. Do not induce vomiting. Get medical attention immediately.

**SECTION 5 - FIREFIGHTING MEASURES**

**Flash Point** ..... 410 - 420°F (Closed Cup)

**Flammable Limits** ..... None

**Lower Flame Limit** ..... N/A

**Higher Flame Limit** ..... N/A

**Extinguish Media** ..... Water spray, dry chemical, CO<sub>2</sub>, or foam may be used in areas where this product is stored.

**Special Procedures** ..... Protective clothing for skin and eye protection should be worn to protect against highly alkaline chemicals.

**Unusual Fire Hazards** ..... This product is alkaline. Avoid contact with acidic materials. Addition of water creates some heat. Fire fighters should wear self-contained positive pressure breathing apparatus and avoid skin contact.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**For Spill** ..... Clean-up personnel must wear protective equipment. Reclaim into closed containers for normal use or disposal. Remaining material may be diluted with water and neutralized. Neutralization products, both liquid and solid, must be recovered for disposal. Prevent run-off into ground or surface waters or sewers.

**Waste Disposal Method** ..... Recover solids or liquids may be sent to a licensed reclaimer or disposed of in a permitted waste management facility. Consult Federal, State or Local disposal authorities for approved procedures.

**SECTION 7 - HANDLING AND STORAGE**

**Handling & Storage** ..... Store in closed, properly labeled containers in a dry area. Contact of caustic soda cleaning solutions with food & beverage products in enclosed vessels or spaces may product lethal concentrations of carbon monoxide. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276.

**Other Precautions** ..... Do not reuse bags, drums or boxes without recycling or reconditioning in accordance with all applicable local, state and federal laws.

**SECTION 8 - PERSONAL PROTECTION**

**Respiratory Protection** ..... For levels which exceed or are likely to exceed 2 mg/m<sup>3</sup>, use NIOSH approved high-efficiency particulate filter with full face piece of self-contained breathing apparatus.

**Ventilation** ..... Local Exhaust: Not normally required. Mechanical: As required to maintain concentrations in air below 2 mg/m<sup>3</sup> at all times.

**Protective Gloves** ..... Neoprene, PVC or rubber gloves.

**Eye Protection** ..... Chemical goggles that are dust and splash proof.

**Other Protective Equipment** ..... Showers and eye wash facilities must be located in immediate work area.

**Work/Hygienic Practices** ..... Avoid contact with skin and avoid breathing dust.



**GURTLEA**  
INDUSTRIES, INC.

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### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point .....	N/A	Freezing Point (F).....	N/A
Volatility/Vol (%).....	N/A.	Melting Point.....	N/A
Evaporation Rate .....	N/A	Vapor Density (Air=1).....	N/A
Solubility in H <sub>2</sub> O .....	Moderate	Specific Gravity (H <sub>2</sub> O=1) .....	N/A

### **SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability.....	Stable
Conditions to Avoid .....	Mixtures with water, acid or incompatible materials can cause splatting and release of large amounts of heat. Will react in the presence of moisture with some metals forming flammable hydrogen gas.
Incompatible Materials .....	Chlorinated or fluorinated hydrocarbons (i.e. chloroform, difluoroethane), acetaldehyde, crolein, aluminum, chlorine trifluoride, hydroquinone, maleic anhydride, P <sub>2</sub> O <sub>5</sub> , tetrahydrofuran.
Decomposition Products .....	Carbon dioxide, carbon monoxide.
Hazardous Polymerization .....	Will not occur

### **SECTION 11 - OTHER INFORMATION**

For help in a chemical transportation emergency, call INFOTRAC: 1-800-535-5053

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