



**Material Safety Data Sheet**

**LINK II**

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  
708-331-2550  
PHONE NUMBER:  
EMERGENCY NUMBER: INFOTRAC (800) 535-5053 - 24 Hours Everyday  
EFFECTIVE DATE: 2/25/2004  
PREPARED BY: Steven J. Tinker  
TRADE NAME: Link II  
GENERAL USE: Laundry Detergent

**SECTION 2 - INGREDIENT INFORMATION**

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)	CAS REGISTRY NO.	OSHA PEL	TLV(Units)	HAZARDOUS %
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup> (8 hr)	TWA 2 mg/m <sup>3</sup> ceiling	10-15%
Silicic Acid, Disodium Salt	6834-92-0	N.E.	N.E.	20-25%
Poly (Oxy-1,2-ethanediyl), alpha (Nonylphenyl) omega-hydroxy	9016-45-9	N.E.	N.E.	8-12%

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 ..... 0  
HMIS Reactivity..... 1

Hazard Rating	
Health	3
Flammability	0
Reactivity	1

**EMERGENCY OVERVIEW**

Appearance/Odor ..... Yellow/tan speckled granular powder with a slight surfactant odor.  
Over Exposure Effects ..... Irritation of skin with a latent period before sensation of irritation, varies from minutes to hours, depending on concentration.



**SECTION 4 - FIRST AID MEASURES**

**IN CASE OF EYE CONTACT:** Major potential hazard - Particles 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.

**IN CASE OF SKIN CONTACT:** Major potential hazard – Particles or concentrated solution 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.

**IF INHALED:** Inhalation of dust or mist can cause mild irritation at 2 mg/m<sup>3</sup>. More severe burns and tissue damage at the upper respiratory tract can occur at higher concentrations. Pneumonitis can result form severe exposures.

**IF INGESTED:** 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 5 - FIREFIGHTING MEASURES**

Flash Point ..... >460° F (TCC)  
Lower Flame Limit ..... N/A  
Higher Flame Limit ..... N/A  
Extinguish Media ..... This product is noncombustible. 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 Hazard ..... 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 ..... Cleanup personnel must wear protective equipment (See Section VIII). 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 runoff 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 container sin a dry area. Contact of caustic soda cleaning solutions with food & beverage products in enclosed vessels or spaces may produce 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. Do not reuse bags, drums, or boxes without recycling or reconditioning in accordance with any applicable Federal, State or Local 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 or self-contained breathing apparatus.  
Ventilation ..... Normally not required. Mechanical - as necessary to maintain concentration in air below 2 mgm<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 ..... Safety showers and eye wash station must be located in immediate work area.  
Work/Hygienic Practices ..... Avoid contact with skin and avoid breathing dust.

**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 .....	Strong oxidizing agents. Chlorinated or fluorinated hydrocarbons (i.e. chloroform, difluoroethane), acetaldehyde, acrolein, aluminum, chlorine trifluoride, hydroquinone, maleic anhydride, P <sub>2</sub> O <sub>5</sub> , tetrahydrofuran
Decomposition Products .....	Carbon dioxide, Carbon monoxide, small volumes of aldehydes, acids and ketones may be generated.
Hazardous Polymerization.....	Will not occur
Polymerization Avoid.....	None

**SECTION 11 - OTHER INFORMATION**

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

**DISCLAIMER:**

The information in this MSDS was obtained from sources which we believe to be reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION, OR WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control.

FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

**EMERGENCY FIRST AID**

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

**Skin:** 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 immediately.

**Eyes:** 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.

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