



Material Safety Data Sheet

RESOLVE

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: 8/14/01
PREPARED BY: Justin Yohn
TRADE NAME: Resolve
GENERAL USE: Laundry Detergent

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 ³ (ceiling)	2 mg/m ³ (ceiling)	
Sodium Carbonate	497-19-8	N.E.	N.E.	
Silicic Acid, Disodium Salt	6834-92-0	N.E.	N.E.	
Poly (oxy-1,2,-ethanediyl), alpha (Nonylphenyl) Omega-hydroxy	9016-45-9	N.E.	N.E.	
Nuisance Dust	None	15 mg/m ³ - Total dust 5 mg/m ³ - Respiratory dust	10 mg/m ³ - Total dust 3 mg/m ³ - 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	1
HMIS Reactivity	2		

EMERGENCY OVERVIEW

Appearance and Odor Yellow/tan granular powder with a slight surfactant odor.

EFFECTS OF ACUTE OVEREXPOSURE

Primary Routes of Exposure (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 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 immediately.
IF INHALED Move person to fresh air. If breathing stops, administer artificial respiration. 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

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, CO2, 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 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 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 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 any applicable Federal, State or Local laws.



SECTION 8 - PERSONAL PROTECTION

Respiratory Protection..... For levels which exceed or are likely to exceed 2 mg/m³, use NIOSH approved high-efficiency particulate filter with full face piece or self-contained breathing apparatus.
Ventilation Local Exhaust: Not normally required. w TLV levels. Mechanical: As necessary to maintain concentration in air below 2 mg/m³ 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 ₂ O	Moderate	Specific Gravity (H ₂ 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, acrolein, aluminum, chlorine trifluoride, hydroquinone, maleic anhydride, P₂O₅, tetrahydrofuran.
Decomposition Products Carbon dioxide, carbon monoxide, small volumes of aldehydes, acids and ketones may be generated.
Hazardous Polymerization..... Will not occur

SECTION 11 - OTHER INFORMATION

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

DISCLAIMER:

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