



Material Safety Data Sheet

NDT LIQUID DYNAMITE

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: 8/14/01
PREPARED BY: Justin Yohn
TRADE NAME: NDT Liquid Dynamite

SECTION 2 - INGREDIENT INFORMATION

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)	CAS REGISTRY NO.	PEL (OSHA)	TLV (ACGIH) (Units)	HAZARDOUS %
Potassium Hydroxide	1310-58-3	2 mg/m ³ (ceiling)	2 mg/m ³ (ceiling)	
Alkyl phenol ethoxylate	9016-45-9	N.E.	N.E.	
Trisodium Nitriloacetate	5064-31-3	N.E.	N.E.	
Sodium Hydroxide	1310-73-2	2 mg/m ³ (ceiling)	2 mg/m ³ (ceiling)	

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 A light green liquid with no noticeable odor.
Symptoms of Overexposure Regardless of concentration, the severity of damage and extent of its irreversibility increases with length of contact. Prolonged contact with even dilute solutions can cause a high degree of tissue destruction. The latent period following skin contact during which no sensation of irritation occurs also varies with concentration.

EFFECTS OF ACUTE OVEREXPOSURE

Routes of Entry	(X) Inhalation	Airborne concentration of mists or spray may cause damage to upper respiratory tract, possibly lung tissue.
	(X) Skin	Destructive to tissue contacted and produces severe burns. A latent period may exist between exposure and onset of irritation.
	(X) Ingestion	This product can cause severe burns and complete tissue perforation of mucous membranes of the mouth throat, esophagus and stomach.
Acute	Corrosive to all body tissues with which it comes in contact.	
Chronic	Local effect. Multiple areas of superficial destruction of skin or of primary irritant dermatitis.	



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Respiratory Varying degrees of irritation or damage to the respiratory tract tissue and an increased susceptibility to respiratory illness.

Medical Conditions Aggravated
By Overexposure..... Not available

SECTION 4 - FIRST AID MEASURES

IN CASE OF EYE CONTACT: Flush material out immediately with copious amounts of water for 15 minutes and seek medical attention.

IN CASE OF SKIN CONTACT: Immediately wash contamination with copious amounts of water. Remove contaminated clothing and wash before reuse.

IF INHALED: Remove to fresh air.

IF INGESTED: Give large quantities of water. Do not induce vomiting. Seek medical attention.

SECTION 5 - FIREFIGHTING MEASURES

Flash Point >200°F (TCC)

Flammable Limits N/A

Lower Flame Limit N/A

Higher Flame Limit N/A

Extinguish Media Water spray, foam, CO₂ or dry chemicals may be used.

Special Procedures Wear full protective clothing to prevent direct contact with this product as it is corrosive.

Unusual Fire Hazards..... See reactivity data.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill..... Leaks should be stopped, spills contained and cleaned up immediately. Neutralize remaining traces with any dilute inorganic acid. Spill area should then be flushed with water, followed by coating with sodium bicarbonate. All clean-up material should be removed and placed in appropriate containers, labeled and stored in a safe place to await proper treatment or disposal.

Waste Disposal Method Package, store and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

SECTION 7 - HANDLING AND STORAGE

Handling & Storage Do not get into eyes, skin or clothing. Do not store in aluminum containers as flammable hydrogen gas can be generated. Do not use aluminum fittings or transfer lines.

Other Precautions Contact with acids will cause gelling and evolution of some heat.

SECTION 8 - PERSONAL PROTECTION

Respiratory Protection Use a NIOSH/MSHA approved respirator following manufacturer's recommendations where mist or spray may be generated.

Ventilation Local Exhaust: Where mist or spray may be generated, use adequate local exhaust ventilation. Mechanical: To keep below control level.

Protective Gloves Rubber gloves should be worn.

Eye Protection Face shield or chemical goggles should be worn.

Other Protective Equipment Impervious protective clothing and chemically resistant safety shoes to minimize direct contact.

Work/Hygienic Practices Safety shower and eye bath facilities should be available.



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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.E.
Evaporation Rate.....	N.E.	Vapor Density (Air=1).....	N.E.
Solubility in H ₂ O	Complete	Specific Gravity (H ₂ O=1)	1.136
pH (of 1% solution).....	11.8 – 12.2		

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability.....	Stable
Conditions to Avoid	Direct contact with incompatible materials in confined spaces that will produce excessive heat or hazardous by-products.
Incompatible Materials	Aluminum, tin, zinc, alloys containing these metals. Do not mix with strong acids without dilution or agitation. Contact with leather, organic halogen compounds, wool, organic nitro compounds.
Decomposition Products	Flammable hydrogen gas may be produced when contacted with the above metals. CO, CO ₂ , oxides of carbon, nitrogen or sulfur.
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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