

### 1. Identification

#### 1.1. Product identifier

**Product Identity** NDT Brite-Det  
**Alternate Names** NDT Brite-Det

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** Laundry detergent  
**Application Method** See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** Gurtler Industries, Inc.  
15475 South LaSalle St.  
South Holland, IL 60473 US

#### Emergency

**24 hour Emergency Telephone No.** (708) 331-2550  
**Customer Service: Gurtler Industries, Inc.** INFOTRAC - (800) 535-5053

### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

Ox. Sol. 2;H272 May intensify fire; oxidizer.  
Skin Irrit. 2;H315 Causes skin irritation.  
Eye Dam. 1;H318 Causes serious eye damage.  
Aquatic Chron. 2: H411 Toxic to aquatic life with long lasting effects

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects

H272 May intensify fire; oxidizer.



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### [Prevention]:

- P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
- P220 Keep / Store away from clothing combustible materials.
- P221 Take any precaution to avoid mixing with combustibles.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves / eye protection / face protection.
- P285 In case of inadequate ventilation wear respiratory protection.

### [Response]:

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P310 Immediately call a POISON CENTER or doctor / physician.
- P313 Get medical advice / attention.
- P321 Specific treatment (see information on this label).
- P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
- P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

### [Storage]:

No GHS storage statements

### [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Water CAS Number: 7732-18-5	65-75	No Data available; no phrases apply	
Nonylphenol polyethoxylate CAS Number: 127087-87-0	10-20	Eye Dam. 2A;H319 Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Acute Tox. 4;H302	[1][3]
Ethylene glycol monobutyl ether	1.0 - 10	Acute Tox. 4;H332	[1][2]



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CAS Number: 0000111-76-2		Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	
Hydrogen Peroxide CAS Number 7722-84-1	1-7	Ox. Sol., 2: H272 Acute Tox. 4: H302 Eye Dam 1: H318 STOT 3: H335 Aqua Tox 3: H412	
Polyacrylic acid, sodium salt CAS Number: 9003-01-04	1.0-5.0	No Data available	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

#### Eyes

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

#### Skin

Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

#### Ingestion

Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Overview

Symptoms may include redness, edema, drying, defatting and cracking of the skin.  
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

See section 2 for further details.

#### Eyes

Causes serious eye damage.

#### Skin

Causes skin irritation.

## 5. Fire-fighting measures



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### 5.1. Extinguishing media

Carbon dioxide, dry chemical, alcohol foam

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of sulfur

### 5.3. Advice for fire-fighters

Firefighters should wear full protective clothing including self-contained breathing apparatus.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Personal precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective space clothing. Keep people away from and upwind of spill/leak.

Environmental precautions: Do not discharge into lakes, streams, ponds or public waters.

Methods for containment: Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes.

Avoid contact with skin and clothing.

Ensure adequate ventilation.

Avoid breathing vapors or mists of this product.

Use good industrial hygiene practices in handling this material.

Wash thoroughly after handling.

When using do not eat or drink.

Keep container tightly closed.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities



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Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids, oxidizers, reducing agents

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
7722-84-1	Hydrogen Peroxide	OSHA	1 ppm (1.4mg/m3)
		ACGIH	1 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m3) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m3) [skin]
		Supplier	No Established Limit
127087-87-0	Nonylphenol polyethoxylate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

### 8.2. Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### Eyes

Protective safety glasses recommended

#### Skin

Rubber gloves recommended.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties



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<b>Appearance</b>	Clear, Yellow Liquid
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not Measured
<b>pH</b>	3.5 – 5.0
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	Not Measured
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Not Measured
<b>Specific Gravity</b>	1.020-1.050
<b>Solubility in Water</b>	Not Measured
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	<150 cPs
<b>9.2. Other information</b>	
No other relevant information.	

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

This product may react with strong acids, strong oxidizing agents and reducing agents.

### 10.4. Conditions to avoid

Do not mix with alkalis.

### 10.5. Incompatible materials

Acids, oxidizers, reducing agents

### 10.6. Hazardous decomposition products

Oxides of sulfur

## 11. Toxicological information

### Acute toxicity



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Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Hydrogen Peroxide (7722-84-1)	1200 mg/kg RAT	>2000 mg/kg (rabbit, 35% soln.)	>0.17 mg/L (rat)	No data available	No data available
Nonylphenol polyethoxylate - (127087-87-0)	2,000.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Ethylene glycol monobutyl ether - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Hydrogen Peroxide (7722-84-1)	16.4 mg/L Pimephales promelas	2.4mg/L Daphnia pulex	1.38 mg/. Skeletonema costatum



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Nonylphenol polyethoxylate - (9016-45-9)	1.30, Lepomis macrochirus	4.80, Daphnia pulex	12.00 (96 hr), Pseudokirchneriella subcapitata
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	N/A	N/A	N/A
<b>14.2. UN proper shipping name</b>	N/A	N/A	N/A
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> N/A	<b>IMDG:</b> N/A <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> N/A
<b>14.4. Packing group</b>	N/A	N/A	N/A
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>			
	No further information		

## 15. Regulatory information

**Regulatory Overview**    The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance**        All components of this material are either listed or exempt from listing on the TSCA





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Control Act ( TSCA) Inventory.

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

### EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals:

Ethylene glycol monobutyl ether

### Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### New Jersey RTK Substances (>1%):

Ethylene glycol monobutyl ether

### Pennsylvania RTK Substances (>1%):

Ethylene glycol monobutyl ether

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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