1. Identification

1.1. Product identifier
Product Identity: NDT Endorse
Alternate Names: NDT Endorse

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
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.

<table>
<thead>
<tr>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>H315 Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H318 Causes serious eye damage.</td>
</tr>
<tr>
<td></td>
<td>H411 Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

[Prevention]:
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P302+352 IF ON SKIN: Wash with plenty of soap and water.
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.
P321 Specific treatment (see information on this label).
P332+313 If skin irritation occurs: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.

[Storage]:
No GHS storage statements

[Disposal]:
No GHS disposal statements

### 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.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>65-75</td>
<td>No Data available; no phrases apply</td>
<td></td>
</tr>
<tr>
<td>Nonylphenol polyethoxylate</td>
<td>15-25</td>
<td>Eye Dam. 2A;H319 Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Acute Tox. 4;H302</td>
<td>[1][3]</td>
</tr>
<tr>
<td>CAS Number: 7732-18-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diphosphoric acid, potassium salt (1:4)</td>
<td>1.0-10</td>
<td>Eye Dam. 2A;H319 Skin Irrit. 2;H315</td>
<td></td>
</tr>
<tr>
<td>CAS Number: 7320-34-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>1.0 - 10</td>
<td>Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0000111-76-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyacrylic acid, sodium salt</td>
<td>1.0-5.0</td>
<td>No Data available</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 9003-01-04</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

*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

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.

ERG Guide No. 171

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
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

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000111-76-2</td>
<td>Ethylene glycol monobutyl ether</td>
<td>OSHA</td>
<td>TWA 50 ppm (240 mg/m3) [skin]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 20 ppm Revised 2003,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 5 ppm (24 mg/m3) [skin]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>
Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000111-76-2</td>
<td>Ethylene glycol monobutyl ether</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;</td>
</tr>
<tr>
<td>7320-34-5</td>
<td>Diphosphoric acid, potassium salt (1:4)</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>127087-87-0</td>
<td>Nonylphenol polyethoxylate</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Opaque, Green Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not Measured</td>
</tr>
<tr>
<td>pH</td>
<td>8.0-9.5</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not Measured</td>
</tr>
</tbody>
</table>
Initial boiling point and boiling range  Not Measured
Flash Point  Not Measured
Evaporation rate (Ether = 1)  Not Measured
Flammability (solid, gas)  Not Applicable
Upper/lower flammability or explosive limits
   Lower Explosive Limit: Not Measured
   Upper Explosive Limit: Not Measured
Vapor pressure (Pa)  Not Measured
Vapor Density  Not Measured
Specific Gravity  1.070 ± 0.03
Solubility in Water  Not Measured
Partition coefficient n-octanol/water (Log Kow)  Not Measured
Auto-ignition temperature  Not Measured
Decomposition temperature  Not Measured
Viscosity (cSt)  <500 cPs

9.2. Other information
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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonylphenol polyethoxylate - (127087-87-0)</td>
<td>2,000.00, Rat - Category: 4</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Hazard Description</th>
<th>Category</th>
<th>Hazard Description</th>
<th>Category</th>
<th>Hazard Description</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Acute toxicity (oral)</td>
<td>---</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Acute toxicity (dermal)</td>
<td>---</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>2</td>
<td>Skin corrosion/irritation</td>
<td>2</td>
<td>Skin corrosion/irritation</td>
<td>2</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>1</td>
<td>Serious eye damage/irritation</td>
<td>1</td>
<td>Serious eye damage/irritation</td>
<td>1</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Respiratory sensitization</td>
<td>---</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Skin sensitization</td>
<td>---</td>
<td>Skin sensitization</td>
<td>---</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Germ cell mutagenicity</td>
<td>---</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>---</td>
<td>Carcinogenicity</td>
<td>---</td>
<td>Carcinogenicity</td>
<td>---</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Reproductive toxicity</td>
<td>---</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>STOT-single exposure</td>
<td>---</td>
<td>STOT-single exposure</td>
<td>---</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>STOT-repeated exposure</td>
<td>---</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>---</td>
<td>Aspiration hazard</td>
<td>---</td>
<td>Aspiration hazard</td>
<td>---</td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonylphenol polyethoxylate - (9016-45-9)</td>
<td>1.30, Lepomis macrochirus</td>
<td>4.80, Daphnia pulex</td>
<td>12.00 (96 hr), Pseudokirchneriella subdivitata</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether - (111-76-2)</td>
<td>220.00, Fish (Piscis)</td>
<td>1,000.00, Daphnia magna</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.1. UN number</strong></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>14.2. UN proper shipping name</strong></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>14.3. Transport hazard class(es)</strong></td>
<td>DOT Hazard Class: N/A</td>
<td>IMDG: N/A Sub Class: Not Applicable</td>
</tr>
<tr>
<td><strong>14.4. Packing group</strong></td>
<td>N/A</td>
<td>Air Class: N/A</td>
</tr>
<tr>
<td><strong>14.5. Environmental hazards</strong></td>
<td>IMDG Marine Pollutant: No</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### 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 Control Act (TSCA)**
All components of this material are either listed or exempt from listing on the 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.

The full text of the phrases appearing in section 3 is:
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Harmful to aquatic life with long lasting effects.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

End of Document