Section 1: Product & Company Identification

Product Name: NDA-50
Product Use: Non-Damaging Acid

Company:  
**Plant Facility:**  
CoilChem, LLC  
3928 Hwy 80  
Rayville, LA 71269  
(318) 728-6565

**Corporate Office:**  
CoilChem, LLC  
2103 East Ladd Rd  
Washington, OK 73093  
(405) 392-2505

Emergency number: Contact Infotrac: 1-800-535-5053

S.D.S. Revision Date: January 8, 2015

Section 2: Hazards Identification

Classification of the substance or mixture:

- **GHS05 Corrosion**
  H314: Causes severe skin burns and eye damage.

- **GHS07**
  H319: Causes serious eye irritation
  H302: Harmful if swallowed

This product has to be labeled due to the calculation procedure of international guidelines.

Label elements:
- GHS Label Elements: This product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard Pictograms: GHS05 and GHS07
- Signal word: Danger!

**Hazard Determining components of labeling:**
Mineral acid salt of organic amide

**Precautionary Statements:**
- Do not breathe dust/fume/gas/mist/vapors/spray
- If on skin (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/ shower.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
- Immediately consult a physician!!!
Section 3: Composition/Information on Ingredients

Chemical Characterization: Mixture
Description: Mixture of the substances listed below with non-hazardous additions.

<table>
<thead>
<tr>
<th>Dangerous Components</th>
<th>Wt. %</th>
<th>Pictogram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral acid salt of organic amide</td>
<td>50-100%</td>
<td>H301 H314 H319</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Eyes: Rinse opened eye for several minutes under running water, then consult a physician.

Skin: Immediately remove contaminated clothing and wash with water and soap then rinse thoroughly.

Ingestion: Drink copious amounts of water and provide fresh air. Contact a physician immediately.

Inhalation: In case of unconsciousness place person stably in side position for transportation.

Note to Physician: Treat symptomatically and supportively!

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective Equipment: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

Environmental Precautions: Do not allow undiluted product to enter storm sewers/surface or ground water.

Methods for Clean up: Absorb with an inert material, use neutralizing agent. Dispose contaminated material as waste according to Section 13. (Disposal Considerations); ensure adequate ventilation.

Section 7: Handling & Storage

Handling: Ensure good ventilation/exhaustion at the work place. Open and handle container with care. Prevent formation of aerosols or mists.

Storage: Keep container sealed/closed when not in use.
Section 8: Exposure Controls/ Personal Protection

Components with Limit Values that Require Monitoring at the Workplace:
This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

General Protective and Hygienic Measures:
Keep away from food, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with skin and eyes.

Breathing Equipment:
In case of brief exposure, mist/ aerosol/ dust generation or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protective Equipment:
As with any chemical, care should be taken as not to get anything in the eyes, or on the skin. Safety glasses/ goggles, and gloves are suggested for use.

Section 9: Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber to clear yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Surfactant/ soapy</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Ignition Temperature</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>Product is not self igniting</td>
</tr>
<tr>
<td>Danger of Explosion</td>
<td>Product does no present an explosion hazard.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
</tr>
<tr>
<td>Density @ 20°C (68°F)</td>
<td>1.205 g/cm³ (10.056 lbs/ gal)</td>
</tr>
<tr>
<td>pH</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Solids Content</td>
<td>60.0%</td>
</tr>
</tbody>
</table>

Section 10: Stability & Reactivity

Chemical Stability: Stable

Thermal Decompositions/ Conditions to Avoid: No decomposition if used according to specifications.

Incompatible Materials: No further relevant information available.

Possibility of Hazardous Reactions: No dangerous reactions known.
Section 11: Toxicological Information

Acute Toxicity:

Primary Irritant Effects:
Skin: Caustic effect on skin and mucous membranes
Eyes: Strong caustic effect
Ingestion: Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Carcinogenic Categories:

IARC (International Agency for Research on Cancer)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>3</td>
<td>0.122%</td>
</tr>
</tbody>
</table>

NTP (National Toxicology Program)
No ingredient above de minimis level is listed

Section 12: Ecological Information

General Notes: Water hazard class I (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage systems. Must not reach bodies of water or drainage ditch undiluted or neutralized. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH values. A low pH value harms aquatic organisms. In the dilution of the use-level the pH value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water- dangerous.

Section 13: Disposal Considerations

Recommendations:
Must not be disposed of together with household garbage. Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with Federal, State, and Local regulations.

Section 14: Transportation Information

UN-Number:
DOT, VOID
ADR, IMDG, IATA: UN3265 III

UN-proper shipping name:
DOT: Void
ADR: 3265 Corrosive liquid, acidic, inorganic, N.O.S. (Urea Hydrochloride)
IMDG/ IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Urea Hydrochloride) III
Transport Hazard Class(es):

DOT: Non-Hazardous/ Not Regulated

ADR, IMDG, IATA Class 8 (Corrosive Substance) III

Special Precautions for User: Warning: Corrosive Substances

Danger Code (Kemler): 80

Section 15: Regulatory Information

SARA Section 355 (Extremely Hazardous Substances):
No ingredient above de minimis level is listed

SARA Section 313 (Toxic Chemical Listings):
2-butoxyethanol 111-76-2 0.122%

TSCA (Toxic Substances Control Act):
All components of this material are listed on the US TSCA Inventory or are exempt.

Carcinogen Categories:
EPA (Environmental Protection Agency):
2-butoxyethanol 111-76-2 0.122%

TVL (Threshold Limit Value established by ACGIH):
2-butoxyethanol 111-76-2 0.122%

NIOSH-Ca (National Institute for Occupational Safety & Health)
No ingredient above de minimis level is listed

OSHA-Ca (Occupational Safety & Health Administration)
No ingredient above de minimis level is listed

GHS label elements: This product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard Pictograms: GHS05, and GHS07
Signal word: Danger

Hazard Statements:
Harmful if swallowed. Causes severe skin burns and eye damage
Section 16: Other Information

This product’s safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user’s obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. All materials in this product are produced in compliance with Public Law 94-469 (also known as the “Toxic Substances Control Act” of 1976).