SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYDRO ACTIVE® CUT CAT ACTIVATOR

MANUFACTURER: de neef Construction Chemicals Inc.
ADDRESS: 5610 Brystone Drive
           Houston, TX 77095
PHONE: (800) 732-0166 (7am-5pm CST Weekdays)
FAX: (713) 849-3340
WEBSITE: www.deneef.com

EMERGENCY PHONE: CHEMTREC (800) 424-9300 (Anytime)
                  Outside US: 1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION  ERG CODE 153

EMERGENCY OVERVIEW:
DANGER: CORROSIVE! CAUSES CHEMICAL BURNS

APPEARANCE AND ODOR:
Red colored liquid with a slightly musty / amine odor.

REACTIVE:
Avoid acids, chlorine and oxidizers.

POTENTIAL HEALTH EFFECTS
EYES:
Can cause severe eye irritation. Prolonged exposure to eyes can cause severe chemical burns. Uncontrolled vapor exposure may cause severe pain or serious damage to eye.

SKIN:
Can cause severe skin irritation. Prolonged exposure to skin can cause severe chemical burns. Exposure can cause latent severe burns. Heated product may cause thermal burns if contacted.

INGESTION:
Small amounts may cause injury.
SECTION 2: HAZARDS IDENTIFICATION

ERG CODE 153  continued

INHALATION: Prolonged or repeated high level exposures may cause severe irritation of respiratory passages and/or lung congestion.

SECTION 3: HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS NO.</th>
<th>% wt/wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di-N-Butyl Phthalate</td>
<td>84-74-2</td>
<td>40%-70%</td>
</tr>
<tr>
<td>1-Hexadecanamine, N, N-dimethyl-</td>
<td>112-69-6</td>
<td>30%-60%</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

EYES:
Immediately flush eyes gently with water for at least 15 minutes, while holding open upper and lower lids. Immediately seek medical attention.

SKIN:
Immediately wash thoroughly with mild soap and water. If available, use an appropriate decontamination skin cleanser. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes. Immediately obtain medical attention.

INGESTION:
SEEK IMMEDIATE MEDICAL ATTENTION! DELAYED TREATMENT MAY RESULT IN FATALITY. Do not induce vomiting. If victim is fully conscious, dilute stomach contents with large amounts of milk or water. Never give anything by mouth to an unconscious person. Immediately call a physician.

INHALATION:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately get medical attention.
SECTION 5: FIRE-FIGHTING MEASURES  ERG CODE  153

Flash Point:
ASTM D93 320°F (160°C)

EXTINGUISHING MEDIA:
Dry Chemical, CO₂, Foam or Water Fog

SPECIAL FIRE FIGHTING PROCEDURES:
A MSHA/NIOSH approved self-contained breathing apparatus should be worn. Do not scatter material with high pressure water streams.

HAZARDOUS DECOMPOSITION PRODUCTS:
Fire or intense heat will decompose the product into acrid smoke and fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES  ERG CODE  153

ACCIDENTAL RELEASE MEASURES:
Where exposure level is known, wear approved respirator suitable for the level of exposure. If exposure level is unknown, wear approved, positive pressure, self-contained respirator. In addition to the protective clothing in Section 8, wear impermeable boots. Prevent from reaching waterways.

CLEAN-UP PROCEDURES:
Remove sources of ignition. Dike and contain the spill with inert material and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

SECTION 7: HANDLING AND STORAGE

HANDLING:
Avoid skin and eye contact. Wash thoroughly after handling. Keep product away from heat and open flame. Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Since empty containers contain product residue and can be dangerous, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.
SECTION 7: HANDLING AND STORAGE  continued

STORAGE:
Maintain storage temperatures between 65°F to 86°F (18°C to 30°C). Do not allow product to freeze. Do not use if previously frozen. Store in original closed containers in a cool, dry, well-ventilated area. Store separately from all combustible, organic and oxidizable materials. Keep from contact with oxidizing materials. Containers should be kept tightly closed and stored in a dry well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Di-N-Butyl Phthalate:
ACGIH TWA  5 mg/m³
OSHA PEL-TWA: (final)  5 mg/m³

1-Hexadecanamine, N, N-dimethyl-
Exposure Limits not established

ENGINEERING CONTROLS:
Local exhaust: preferred. Mechanical: may be necessary if working at elevated temperatures or in enclosed areas.

RESPIRATORY PROTECTION:
Use an appropriate NIOSH/MSHA approved respirator for exposure to contaminated atmosphere. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

EYE PROTECTION: Safety goggles or face shield

SKIN PROTECTION: Protective gloves: Rubber or plastic depending upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material including changing and laundering of work clothes after use.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear red liquid
ODOR: Musty, amine odor
ODOR THRESHOLD: Not available
PHYSICAL STATE: Liquid
pH: alkaline
MELTING/ FREEZING PT: Not available
FLASH POINT: 320°F (160°C)
EVAPORATION RATE: Not available
FLAMMABILITY: Not available
VAPOR PRESSURE: <1mm Hg @ 77°F
VAPOR DENSITY: <0.1
BULK DENSITY: 8.48 lbs/gal
SOLUBILITY (H₂O): None
PARTITION COEFFICIENT: Not available
AUTO-IGNITION TEMPERATURE: 570°F
VISCOSITY: 5-16 cps
SPECIFIC GRAVITY (H₂O=1) ~1.01
DECOMPOSITION TEMPERATURE: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
Stable under normal conditions.

CONDITIONS TO AVOID (STABILITY):
Heat, flame, sparks

INCOMPATIBILITY (MATERIAL TO AVOID):
Aluminum, lead, sodium hypochlorite, organic acids, mineral acids, reactive metals, materials with hydroxyl compounds, alkalis, oxidizers,

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
Carbon dioxide and carbon monoxide, nitrogen oxides, flammable hydrocarbon fragments

HAZARDOUS POLYMERIZATION:
Does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY:
Di-N-Butyl Phthalate
IARC: Group 3 (not classifiable as to its carcinogenicity in humans)
EPA: Group D
SECTION 11: TOXICOLOGICAL INFORMATION continued

ACUTE TOXICITY

Di-N-Butyl Phthalate
Oral LD₅₀ (rat) 6300 mg/kg
Inhalation LC₅₀ (rat) > 15 mg/L/4 hrs
Dermal LD₅₀ (rabbit): >2000 mg/kg

1-Hexadecanamine, N, N-dimethyl-
Oral LD₅₀ (rat): 1600 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:
Does not Bioaccumulate (All Ingredients)
Biodegrade to 40% - 0% in 28 days (Di-N-Butyl Phthalate)

Di-N-Butyl Phthalate 84-74-2
Ecotoxicity:
EC₅₀ (freshwater algae): 72 hr Scenedesmus subspicatus: 1.2 mg/L
96 hr Selenastrum capricornutum: 0.75 mg/L

LC₅₀ (freshwater fish): 96 hr Pimephales promelas: 0.71 mg/L (flow-through)
96 hr Pimephales promelas: 1.0 mg/L (static)
96 hr Oncorhynchus mykiss: 1.24 mg/L (flow-through)
96 hr Lepomis macrochirus: 0.42 mg/L (flow-through)
96 hr Lepomis macrochirus: 0.7 mg/L (static)
96 hr Leuciscus idus: 4.6 mg/L (static)

EC₅₀ (Microtox Data )
5 min Photobacterium Phosphoreum: 10.9 mg/L
15 min Photobacterium Phosphoreum: 11.1 mg/L
30 min Photobacterium Phosphoreum: 10.9 mg/L
24 hr tetrahymena pyriformis: 2.2 mg/L

EC₅₀ (water flea)
48 hr water flea: 3.7 mg/L (static)
48 hr Daphnia magna: 3.4 mg/L

1-Hexadecanamine, N, N-dimethyl- 112-69-6

No ecotoxicity data available
SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method
Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions
Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal. Dispose of per local, state and federal guidelines as required by your specific local. This product in its cured foam state is inert and non-toxic.

SECTION 14: TRANSPORT INFORMATION

Land Transport (DOT)

Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (contains fatty acid derived amines)
Hazard Class or Division: 8
UN Number: UN2735
Packing Group: III
Hazard label: Corrosive

Air Transport: (ICAO/IATA)

Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (contains fatty acid derived amines)
Hazard Class or Division: 8
UN Number: UN2735
Packing Group: III
Hazard label: Corrosive
SECTION 14: TRANSPORT INFORMATION continued

Sea Transport: (IMO)

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS FATTY ACID DERIVED AMINES)
Hazard Class or Division: 8
UN Number: UN2735
Packing Group: III
Hazard label: Corrosive

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>CERCLA RQ</th>
<th>SARA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di-N-Butyl Phthalate</td>
<td>Yes</td>
<td>10lbs</td>
<td>No</td>
</tr>
<tr>
<td>1-Hexadecanamine, N, N-dimethyl-</td>
<td>Yes</td>
<td>None</td>
<td>No</td>
</tr>
</tbody>
</table>

TSCA: All components are listed on or exempt from the TSCA master inventory
WHMIS: All components are listed on the CEPA Domestic Substances List (DSL)

Ingredient Disclosure List (IDL), the following components are on the list:
Di-N-Butyl Phthalate 84-74-2

NFPA HAZARD CLASSIFICATION:
HEALTH: 3  FLAMMABILITY: 2  REACTIVITY: 0
HMIS;
HEALTH: 3  FLAMMABILITY: 2  PHYSICAL HAZARD 0
SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:
December, 2008
This MSDS is on a three year review cycle. If the date on this sheet is older than three years please contact de neef Construction Chemicals Inc. for an updated MSDS.

DISCLAIMER:
All information appearing herein is based on manufacturer and/or recognized technical sources. While the information is believed accurate de neef Construction Chemicals Inc. makes no representations as to the accuracy or sufficiency of the information.