



**MATERIAL SAFETY DATA SHEET HYDRO ACTIVE<sup>®</sup> CUT CAT  
ACTIVATOR**

Rev. 12/08

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: HYDRO ACTIVE<sup>®</sup> 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](http://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.

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**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**

| <u>Name</u>                      | <u>CAS NO.</u> | <u>% wt/wt</u> |
|----------------------------------|----------------|----------------|
| Di-N-Butyl Phthalate             | 84-74-2        | 40%-70%        |
| 1-Hexadecanamine, N, N-dimethyl- | 112-69-6       | 30%-60%        |

**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.



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## SECTION 5: FIRE-FIGHTING MEASURES ERG CODE 153

Flash Point:  
ASTM D93 320°F (160°C)

EXTINGUISHING MEDIA:  
Dry Chemical, CO<sub>2</sub>, 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.



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**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/m<sup>3</sup>

OSHA PEL-TWA: (final) 5 mg/m<sup>3</sup>

**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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|  |   |
|--|---|
| APPEARANCE: Clear red liquid             | VAPOR PRESSURE: <1mm Hg @ 77°F              |
| ODOR: Musty, amine odor                  | VAPOR DENSITY: <0.1                         |
| ODOR THRESHOLD: Not available            | BULK DENSITY: 8.48 lbs/gal                  |
| PHYSICAL STATE: Liquid                   | SOLUBILITY (H <sub>2</sub> O): None         |
| pH: alkaline                             | PARTITION COEFFICIENT: Not available        |
| MELTING/ FREEZING PT: Not available      | AUTO-IGNITION TEMPERATURE: 570°F            |
| FLASH POINT: 320°F (160°C)               | VISCOSITY: 5-16 cps                         |
| EVAPORATION RATE: Not available          | SPECIFIC GRAVITY (H <sub>2</sub> O=1) ~1.01 |
| FLAMMABILITY: Not available              | DECOMPOSITION TEMPERATURE: Not available    |
| UPPER FLAMMABILITY LIMITS: Not available |   |
| LOWER FLAMMABILITY LIMITS: 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

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**SECTION 11: TOXICOLOGICAL INFORMATION continued**

**ACUTE TOXICITY**

**Di-N-Butyl Phthalate**

Oral LD50 (rat) 6300 mg/kg

Inhalation LC50 (rat) > 15mg/L/4hrs

Dermal LD50 (rabbit): >2000 mg/kg

**1-Hexadecanamine, N, N-dimethyl-**

Oral LD50 (rat): 1600mg/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 subspicadus:     | 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 tetrehymena 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



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## 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



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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 with 5 columns: Ingredient, TSCA, CERCLA RQ, SARA 302, SARA 313. Rows include Di-N-Butyl Phthalate and 1-Hexadecanamine, N, N-dimethyl-

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





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**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:**

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