



CONSTRUCTION CHEMICALS, INC.

## MATERIAL SAFETY DATA SHEET

# HYDRO ACTIVE<sup>®</sup> FLEX CAT ACTIVATOR

Rev. 09/08

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYDRO ACTIVE<sup>®</sup> Flex 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

#### EMERGENCY OVERVIEW:

**DANGER: CORROSIVE! CAUSES CHEMICAL BURNS**

#### APPEARANCE AND ODOR:

Clear to slightly amber 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.

##### INHALATION:

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

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### SECTION 3: HAZARDOUS INGREDIENTS

| <u>Name</u>            | <u>CAS NO.</u> | <u>% wt/wt</u> |
|------------------------|----------------|----------------|
| Cocoalkyldimethylamine | 61788-93-0     | 15%-40%        |
| Di-N-Butyl Phthalate   | 84-74-2        | 15%-40%        |

### 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

**FLASH POINT:**  
CC >266°F (>130°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 Butene, Butanol & Phthalic Anhydride.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 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 (i.e., sand, earth, sawdust) 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.

#### 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

Dibutyl Phthalate:

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

Cocoalkyldimethylamine:

Exposure limits not established.

#### ENGINEERING CONTROLS:

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

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#### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION (CONTINUED)

##### 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 amber liquid

ODOR: Musty, amine odor

ODOR THRESHOLD: Not available

PHYSICAL STATE: Liquid

pH: 13

MELTING PT: 39°F (4°C)

FLASH POINT: >266°F (>130°C)

EVAPORATION RATE: Not available

FLAMMABILITY: Non-flammable

UPPER FLAMMABILITY LIMITS: Not applicable

LOWER FLAMMABILITY LIMITS: Not applicable

VAPOR PRESSURE: Not available

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.01

BULK DENSITY: 8.5-8.6 lbs/gal

SOLUBILITY (H<sub>2</sub>O): None

PARTITION COEFFICIENT: Not available

AUTO-IGNITION TEMPERATURE: Not available

VISCOSITY: 5-16 cps @ 77°F

DECOMPOSITION TEMPERATURE: Not available

#### SECTION 10: STABILITY AND REACTIVITY

##### STABILITY:

Stable under normal conditions.

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CONDITIONS TO AVOID (STABILITY): High temperatures

INCOMPATIBILITY (MATERIAL TO AVOID):

Liquid Chlorine, Oxidizers, Acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Fire or intense heat will decompose the product into Butene, Butanol & Phthalic Anhydride.

HAZARDOUS POLYMERIZATION:

Explosive polymerization at 118°C when mixed with liquid chlorine.

### SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: Group 3 (not classifiable as to its carcinogenicity in humans)

EPA: Group D

ACUTE TOXICITY

D-N-Butyl Phthalate

LD50 Oral 8,000 mg/kg (rat)

LC50: 25,000mg/m<sup>3</sup> (mice) Di-N-Butyl Phthalate

Cocoalkyldimethylamine

LD50: 1400 mg/kg (rat)

### SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Does not Bioaccumulate (All Ingredients)

Biodegrade to 40% - 0% in 28 days (Dibutyl Phthalate)

### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental

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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

**At quantities greater than 30 lbs, this material must be labeled RQ: Di-N-Butyl Phthalate**

### Land Transport (DOT)

Proper Shipping Name: Amines, liquid, corrosive, n.o.s. ( contains fatty acid derived amines). Marine pollutant (Alkyl (C12-C14) dimethylamine)

Hazard Class or Division: 8

UN Number: UN2735

Packing Group: III

Hazard label: Corrosive, Marine pollutant

### 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

### Sea Transport: (IMO)

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. ( CONTAINS FATTY ACID DERIVED AMINES) MARINE POLLUTANT- (ALKYL (C12-C14) DIMETHYLAMINE)

Hazard Class or Division: 8

UN Number: UN2735

Packing Group: III

Hazard label: Corrosive, Marine pollutant

## SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

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All components in this product are either listed on or exempt from the TSCA 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: 1 REACTIVITY: 0

### SECTION 16: OTHER INFORMATION

#### PREPARATION INFORMATION:

September 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.

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