

MATERIAL SAFETY DATA SHEET

Hi-Tech HT-Cat

Revised July 17, 2014

MSDS #039.16

Emergency Contact

Emergency Telephone Number: Call CHEMTREC Day or Night, Within USA or Canada 1-800-424-9300

Outside USA or Canada: Call 1-703-527-3887 (collect calls accepted)

Use only for hazardous materials (or dangerous goods) incident - spill, leak, fire, exposure, or accident.

Section 1. Chemical Product Information

Product name **Hi-Tech HT-Cat**
Synonyms..... Grout catalyst, catalyst

Progressive Fastening Systems
1190 N. Del Rio Pl.
Ontario CA. 91764
U.S.A.
Tel: 909-945-5530
Fax: 909-945-3009

Section 2. Composition / Information on Ingredients

Ingredient Name	INGREDIENTS	
	CAS Number	Concentration
Coco Alkyldimethyl Amines	61788-93-0	< 50%
Di-isobutyl phthalate	84-69-5	< 60%

Section 3. Hazards Identification

EMERGENCY OVERVIEW

Potential Health Effects- Prolonged or repeated skin contact may be toxic. Fumes may be toxic. Ingestion may be poisonous.
Emergency Treatment- Remove source of irritation, wash contacted area, consult physician.

Section 4. First Aid Measures

First Aid For Eyes- Immediately flush the eyes with large amounts of running water for at least 15 minutes. Seek medical attention.
First Aid For Skin- Wash all affected areas thoroughly with large amounts of soap and water for at least 15 minutes. Continue application of cold water to burn area. Seek medical attention if necessary. Remove any contaminated clothing immediately. Launder contaminated clothing before re-use.
First Aid For Ingestion- DO NOT induce vomiting. Immediately drink large quantities of water. Seek medical attention. Never induce vomiting or give anything by mouth to a person who is unconscious or convulsing.
First Aid For Inhalation- Remove victim to fresh air. Give artificial respiration if not breathing. Seek medical attention.

Section 5. Fire Fighting Measures

Flash Point- 302°F (150°C) Pensky-Martens Closed Cup (ASTM D-93)
Extinguishing Media- Carbon dioxide, dry chemical, or water spray
Special Fire Fighting Instructions- Use water to cool containers exposed to fire. Self-contained positive pressure breathing apparatus and protective clothing should be worn.

Section 6. Accidental Release Measures

Water Release- Divert contaminated water and pump into containers for disposal.
Land Spill- Dike area around spill to contain material. Remove material in liquid form if possible. If removal as a liquid is not possible, absorb in clay, sand or other commercial absorbent for disposal.

Section 7. Handling and Storage

Handling/storage precautions- Containers should be stored in a dry, well ventilated area at a temperature between 65°F and 85°F. Do not store at temperatures exceeding 120°F. Opened containers should be protected with a dry air (-40°F dewpoint) or nitrogen padding. A drierite or silica gel drying system on the vents can also be used.

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Section 8. Personal Protection

Eye Protection Requirements- Safety glasses with side shields or chemical goggles.

Skin Protection Requirements- Chemical resistant apron or suit may be indicated in high exposure situations.

Neoprene gloves are recommended.

Respiratory Protection- Not normally required. A supplied air or cartridge type respirator with organic vapor cartridges is recommended in confined locations when using this product.

Ventilation Requirements- Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

Monitoring- Not normally needed.

Section 9. Physical and Chemical Properties

PHYSICAL FORM.....	Liquid
COLOR.....	Clear, colorless to pale yellow
ODOR.....	Amine-like, fishy
BOILING POINT.....	Not determined
MELTING/FREEZING POINT.....	Not determined
SOLUBILITY IN WATER.....	Insoluble
SPECIFIC GRAVITY.....	0.94
BULK DENSITY.....	7.8 lb./gal
pH.....	Not determined
VAPOR PRESSURE (mm/Hg).....	Not determined
VAPOR DENSITY.....	Not determined

Section 10. Stability and Reactivity

Stability- Stable

Hazardous Polymerization- Will not occur

Incompatibilities- Strong oxidizers, strong alkalis

Decomposition Product- Carbon monoxide, carbon dioxide, nitrogen oxides

Section 11. Toxicological Information

Acute Toxicity

Oral LD50- The acute oral LD50 (rat) for this material is approximately 4000 mg/kg.

Dermal LD50- The acute dermal LD50 (rabbit) is approximately 8000 mg/kg. This product was corrosive to rabbit skin following a four hour exposure.

Inhalation LC50- An acute inhalation LC50 is not available for this material. Due to its low vapor pressure, this product is not likely to present an inhalation hazard at normal temperatures. At elevated temperatures, vapors may cause severe irritation of the respiratory tract.

Eye effects- The acute eye effects of this product have not been determined. Eye contact is expected to cause irritation or burns.

Skin effects- Chronic dermal exposure effects for this product are not known. Prolonged or repeated contact can cause severe skin irritation or burns with redness, swelling, and blistering.

Sensitization- Not known

Chronic toxicity- Not known

Carcinogenicity - The carcinogenic properties of this product are not known.

Section 12. Ecological Information

The ecological toxicity of this product is not known.

Section 13. Disposal Considerations

Under RCRA it is the responsibility of the user of products to determine, at the time of disposal, whether a product meets any of the criteria for a hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics under the new Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

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Section 14. Transportation information

DOT (Domestic Surface)

Proper Shipping Name..... Amines, liquid, corrosive, n.o.s (Fatty Acid Derived Amines)
Hazard Class or Division 8
UN/NA number..... UN 2735
Packaging Group..... III
Hazard Label(s)..... Corrosive (8)
Hazard Placard..... Corrosive (8)

Section 15. Regulatory information

OSHA status - Hazardous/ irritant
TSCA status - Components are listed on TSCA inventory
CERCLA reportable quantity - Not applicable
SARA Title III:
Section 302 Extremely hazardous substances TPQ - None established
Section 311/312 Hazard categories - Health: Immediate (Acute)
Section 313 Toxic chemicals - None present (40 CFR 372)

Section 16. Other information

NFPA 704M ratings:	HEALTH	FLAMMABILITY	REACTIVITY	OTHER
4 – Extreme	3	1	1	
3 – High				
2 – Moderate				
1 – Slight				
0 – Insignificant				

**For additional health and safety information contact the Progressive Fastening Systems
USA Product Safety Division at 1-909-945-5530**

WARRANTY The information contained in this document is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. The customer must inspect and test our products before use, and satisfy themselves as to the contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental, or consequential damages.