

# MATERIAL SAFETY DATA SHEET

HMIS HAZARDOUS MATERIALS  
IDENTIFICATION SYSTEM

(Prepared According to 29 CFR 1910.1200)

A = Safety Glasses  
B = A + Gloves  
C = B + Apron  
D = C + Face Shield  
E = B + Dust Mask

F = C + Dust Mask  
G = B + Respirator  
H = F + Goggles  
I = B + Respirator  
X = Ask Supervisor

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

Health.... 2  
Flammability.... 2  
Reactivity.... 0  
Protection.... B

## SECTION I - PRODUCT IDENTIFICATION

**Product Code: 636** Supersedes date: **November 5, 2003** Section(s) changed: **I** Effective date: **June 22, 2004**

PRODUCT NAME: BREAKTHROUGH

GENERIC NAME: Citrus Solvent

DISTRIBUTORS NAME:

INFORMATION PHONE NUMBER: 314-771-6600

EMERGENCY PHONE NUMBER IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE OR ACCIDENT: CHEMTREC 800-424-9300

PROPER SHIPPING DESCRIPTION: ≤119 gal.: Cleaning Compound, Not Regulated

CHEMICAL FAMILY: Degreaser and Deodorant

FORMULA: Proprietary Mixture

DISTRIBUTORS ADDRESS:

## SECTION II - HAZARDOUS INGREDIENTS

| CHEMICAL NAME | CAS No.   | Wt% | OSHA PEL | ACGIH TLV | OTHER |
|---------------|-----------|-----|----------|-----------|-------|
| d-Limonene    | 5989-27-5 |     | NE       | NE        |       |

The information & recommendations set forth herein are presented in good faith & believed to be current & reliable. The manufacturer makes no representation as to the completeness or accuracy thereof & supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use. In no event will the manufacturer be responsible for any damage of any nature whatsoever resulting from the use of or reliance upon this information. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which it refers.

## SECTION III - PHYSICAL/CHEMICAL DATA

Boiling Point (°F): 348  
Vapor Pressure (mm Hg): 1.0  
Vapor Density (Air=1): 4.73  
Evaporation Rate: (Water=1): LT 1.00  
Solubility in Water: Emulsifiable  
Physical Description: Orange Thin Liquid  
Orange Odor

Specific Gravity: 0.84  
Lbs/Gal Density: 7.0

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 119 °F TCC  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, if product is involved.  
SPECIAL FIRE FIGHTING PROCEDURES: Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV.  
UNUSUAL FIRE & EXPLOSION HAZARD: Combustible. Keep away from heat, sparks and open flame. Closed container may explode if exposed to extreme heat.

LIMITS: LEL: 0.7 UEL: NA

## SECTION V - REACTIVITY DATA

Stability: Stable; protect from freezing. Store below 120° F.  
Hazardous Polymerization: Will not occur.  
Incompatibility (Materials to Avoid): Strong oxidizing agents, Anionics.  
Hazardous Decomposition Products: If burned, normal combustion products:  
Carbon Dioxide, Carbon Monoxide; Nitrous Oxides.

## SECTION VI - STORAGE & HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. CAUTION.  
Store upright in original closed container.  
Other Precautions: Do not use or store near heat, sparks or open flames.

## SECTION VII - HEALTH HAZARDS AND FIRST AID

| Carcinogenicity: | NTP? | IARC Monographs? | OSHA REGULATED? |
|------------------|------|------------------|-----------------|
| NE               | NE   | NE               | NO              |

EFFECTS OF OVEREXPOSURE:  
SKIN: Irritation  
EYES: Irritation  
INHALATION: Irritation  
INGESTION: Dizziness, nausea

EMERGENCY FIRST AID PROCEDURES:  
SKIN: Wash with soap & water for 15 minutes. See physician if irritation persists.  
EYES: Flush with flowing water for 15 minutes & see physician.  
INHALATION: Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.  
INGESTION: Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH approved respirator for severe vapor or mist  
VENTILATION: Local exhaust preferred. Mechanical (general) at point of mist acceptable. Avoid breathing vapor or spray.  
PROTECTIVE GLOVES: Solvent proof  
EYE PROTECTION: Safety glasses  
OTHER PROTECTIVE EQUIPMENT: N/A

## SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Soak up & absorb spill on diatomaceous earth, sawdust or other inert material. Sweep up to suitable containers for disposal. Isolate from sources of ignition. Floors may be slippery. Use care to avoid falls.  
WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State & Local regulations.

## SECTION X - ADDITIONAL FEDERAL REGULATIONS

SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: This does not contain chemicals subject to reporting under CERCLA  
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

NE - Not Established NA - Not Applicable GT - Greater Than

Manufactured by: Intercon Chemical Company 1100 Central Industrial Drive, St. Louis, MO 63110