

**UNITED****MATERIAL SAFETY DATA SHEET**

LABORATORIES

320 37th Avenue • St. Charles, Illinois 60174 • To Reorder, Call 800-323-2594

**PRODUCT IDENTIFICATION**  
UNITED 170  
GREASE GUN

**USE / DESCRIPTION**  
Aerosol Lubricant

**REVISION DATE**  
July 10, 2002

**FOR MEDICAL AND  
TRANSPORTATION EMERGENCIES:**  
INFOTRAC: 800-535-5053

**HEALTH (0 = Maximum Safety)**

Always follow Label Directions and Cautions.

4 Extreme. 3 High. 2 Moderate. 1 Slight. 0 Minimal.

See Health Hazard Data Section of this M.S.D.S.  
for more detailed information.

**FLAMMABILITY (0 = Maximum Safety)**

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated to burn.  
3 Ignites at normal temperature. 0 Will not burn.  
2 Ignites when moderately heated.

**REACTIVITY (0 = Maximum Safety)**

Susceptible to Release of Energy.

4 May detonate-vacate area if Materials are exposed to fire.  
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.  
2 Violent chemical change possible-use hose stream from distance  
1 Unstable if heated-use precaution.  
0 Normally stable.

**PERSONAL PROTECTION**

Recommended



### HAZARDOUS COMPONENTS IDENTITY, EXPOSURE LIMITS AND S.A.R.A. TITLE III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL TWA	OTHER RECOMMENDED LIMITS	S.A.R.A. TITLE III QUANTITIES
n-Hexane	110-54-3	SKIN: 50 ppm SKIN: 176 mg/m <sup>3</sup>	Not established	500 ppm 1800 mg/m <sup>3</sup>	NIOSH TWA 50 ppm 180 mg/m <sup>3</sup>	0.344*
Propane	74-98-6	2500 ppm 4508 mg/m <sup>3</sup>	Not established	1000 ppm 1800 mg/m <sup>3</sup>	NIOSH TWA 1,000 ppm 1800 mg/m <sup>3</sup>	None
Isobutane	75-28-5	Not established	Not established	Not established	NIOSH TWA 800 ppm 1900 mg/m <sup>3</sup>	None
Petrolatum	8042-47-5	5 mg/m <sup>3</sup>	Not established	5 mg/m <sup>3</sup>	None	None
1-Decene, homopolymer	68037-01-4	5 mg/m <sup>3</sup>	Not established	5 mg/m <sup>3</sup>	Not established	None

\* Pounds of reportable material per can of UNITED product.

**PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT**  
Not determined

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1)**  
0.724

**VAPOR PRESSURE (mm Hg.)**  
(At 77° F) 40 psig

**MELTING POINT**  
Not determined

**VAPOR DENSITY (Air = 1)**  
> 1

**EVAPORATION RATE**  
(Butyl Acetate = 1) < 1

**SOLUBILITY IN WATER**  
Insoluble

**VOLATILE ORGANIC COMPOUNDS (V.O.C.)**  
(Pounds Per Can Of Product) 0.543

**APPEARANCE AND ODOR**  
Light beige grease with sweet ethereal odor

**pH:**  
Not applicable

**FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT (Method Used)**  
Flammable 18" plus (flame projection)

**FLAMMABLE LIMITS**  
Not determined

**LEL**  
Not determined

**UEL**  
Not determined

**EXTINGUISHING MEDIA**  
Foam, dry chemical, carbon dioxide, halon

**SPECIAL FIRE FIGHTING PROCEDURES**

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Keep containers cool with water spray. Do not allow runoff to

enter sewers or other public water courses. Use equipment or shielding required to protect against bursting, rupturing, or venting containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Exposure to temperatures (above 120° F) may cause bursting rupturing, or venting containers.

## REACTIVITY DATA

STABILITY:	STABLE <input checked="" type="checkbox"/>	CONDITIONS TO AVOID Storage temperatures above 120° F
	UNSTABLE <input type="checkbox"/>	
INCOMPATIBILITY (Materials To Avoid) Strong oxidizing agents		
HAZARDOUS DECOMPOSITION OR BY PRODUCTS When strongly heated, as in a fire, this product will decompose to carbon monoxide and carbon dioxide.		
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR <input checked="" type="checkbox"/>	CONDITIONS TO AVOID Storage temperatures above 120°F
	MAY OCCUR <input type="checkbox"/>	

## HEALTH HAZARD DATA

HEALTH HAZARDS			
EYES: May cause irritation, redness or watering SKIN: May cause irritation to persons with sensitive condition.			
INHALATION: Overexposure may cause nausea, vomiting, upper respiratory discomfort. IF SWALLOWED: May cause nausea, headache, vomiting, stomach discomfort			
CARCINOGENICITY:	NTP? No	IARC MONOGRAPHS?	No
This product contains a chemical known to the state of California to cause cancer or reproductive toxicity?		OSHA REGULATED?	No
SIGNs AND SYMPTOMS OF OVEREXPOSURE			
EYES: Irritation, redness, watering SKIN: Irritation			
INHALATION: Nausea, vomiting, upper respiratory discomfort. IF SWALLOWED: Nausea, headache, vomiting, stomach discomfort			
TARGET ORGANS: None known			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE Skin sensitivity, chemical allergies			

### EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of cool water for at least 15 minutes while holding eyelids open. If irritation persists, call a physician or poison control center.
SKIN: Wash with soap and water. If irritation persists, call a physician or poison control center. INHALATION: Remove to fresh air. Apply CPR as needed. If irritation persists, call a physician or poison control center. IF SWALLOWED: Do not induce vomiting. Call a physician or poison control center immediately.

## PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Use non-combustible, absorbent material, like clay or mineral sorbents to soak up material. Place material in a closed container for proper disposal.
WASTE DISPOSAL METHOD Do not puncture or incinerate containers. When contents are depleted, continue to depress button until all gas is expelled.  Consult local, state and federal authorities for proper disposal guidelines.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not expose to temperatures exceeding 120°F. Store in a cool, well-ventilated area, away from sources of ignition.

Keep containers tightly closed when not in use. NFPA 30B Storage Level Number: 2

## CONTROL MEASURES

### FOR USE WHERE SIGNIFICANT EYE, SKIN OR INHALATION EXPOSURE IS LIKELY

RESPIRATORY PROTECTION (Specify Type) If TLV is exceeded, use NIOSH / MSHA approved respirator.	
VENTILATION: MECHANICAL (General) Provide adequate ventilation	LOCAL EXHAUST Generally adequate
PROTECTIVE GLOVES For continued or repeated exposure, use rubber gloves.	EYE PROTECTION Safety glasses or chemical goggles recommended.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT Long-sleeved shirts and long pants are recommended.	
WORK HYGENIC PRACTICES Wash hands and face with soap and water after using this product. Do not smoke while using.	