

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

DIE LUBE

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

DIE LUBRICANT

Manufacturer's Name

National Keystone Products Company

Emergency Telephone Number

(800) 535-5053

Address (Number, Street, City, State, and ZIP Code)

616 Hollywood Avenue

Telephone Number for Information

856-663-4700

Cherry Hill, NJ 08002

Date Prepared

July 2002 Reviewed July 2006

Signature of Preparer (optional)

M.P.

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)

NFPA RATING: HEALTH HAZARD - 1; FIRE & EXPLOSION - 3; REACTIVITY - 0; PROTECTION - B

FORMULA: Proprietary lubricant/release agent mixture.

Ethanol CAS No. 64-17-6

Alcohol Denaturants.

Other ingredients are not hazardous and will not be separately listed.

NATURE OF HAZARD: DOT: UN1993, Flammable liquids, N.O.S., (Ethanol), 3, PG II

Section III — Physical/Chemical Characteristics

Boiling Point	approximately 180°F	Specific Gravity (H ₂ O = 1)	Approx. 0.9 @ 68°F
Vapor Pressure (mm Hg)	46mm Hg @ 68°F	Melting Point	
Vapor Density (AIR = 1)	1.5	Evaporation Rate (Butyl Acetate = 1)	1.4

Solubility in Water

Complete

Appearance and Odor

Clear, colorless to slightly yellow liquid, characteristic sweet odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	59°F by TCC	Flammable Limits	LEL 3.4%	UEL 26%
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Extinguishing Media

Dry Chemical. Carbon Dioxide.

Special Fire Fighting Procedures

None for lab quantities.

Unusual Fire and Explosion Hazards

Flammable liquid. Vapors may be ignited by heat, sparks, flames or static electricity.

Container may rupture if exposed to extreme heat.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Strong Oxidizers

Hazardous Decomposition or Byproducts

Combustion produces carbon dioxide and monoxide.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)

THRESHOLD LIMIT VALUE: TLV 1000 ppm. (ACGIH-skin major component)

200-400 ppm denaturants (minor components)

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
 No ingredients identified as a carcinogen or potential carcinogen by NTP, IARC or OSHA.

Signs and Symptoms of Exposure

SKIN: Prolonged or repeated contact can cause mild irritation. EYES: Can cause irritation, redness, tearing, blurry vision. INHALATION: Excessive inhalation of high concentrations can cause nose & throat irritation, dizziness, weakness, fatigue, nausea, headache, visual disturbances. INGESTION: Can cause gastrointestinal irritation and alcohol intoxication.

Emergency and First Aid Procedures

SKIN: In case of contact, wash with soap & water. EYES: In case of contact, immediately flush eyes with water for at least 15 minutes. Call a physician. INHALATION: If affected, remove to fresh air. INGESTION: Induce vomiting & get prompt medical attention.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
 Absorb liquid on paper toweling, vermiculite or absorbant pads and discard in approved metal waste can. Ventilate the area.

Waste Disposal Method

Precautions to Be Taken in Handling and Storing

Keep containers well closed. Store in cool, dry, well ventilated area. For laboratory or office use only. Keep out of reach of children. Avoid heat & direct sunlight. Normal precautions of laboratory goodhousekeeping practices should be followed.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
 None needed for lab quantities.

Ventilation	Local Exhaust Preferred	Special
	Mechanical (General) Acceptable	Other

Protective Gloves: Not normally needed. Eye Protection: Chemical splash goggles are preferred.

Other Protective Clothing or Equipment: Eye wash station.

Work/Hygienic Practices