

ECOLAB -- KOOL-KLENE - COLD TEMPERATURE CLEANER  
MATERIAL SAFETY DATA SHEET  
NSN: 793000N038676  
Manufacturer's CAGE: 85884  
Part No. Indicator: A  
Part Number/Trade Name: KOOL-KLENE

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General Information  
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Item Name: COLD TEMPERATURE CLEANER  
Company's Name: ECOLAB INC  
Company's Street: EOLAB CENTER  
Company's City: ST PAUL  
Company's State: MN  
Company's Country: US  
Company's Zip Code: 55102  
Company's Emerg Ph #: 800-328-0026  
Company's Info Ph #: 612-293-2233  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 01MAY91  
Safety Data Review Date: 02FEB93  
MSDS Serial Number: BRHKG  
Hazard Characteristic Code: NK

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: ETHANOL, 2-AMINO-; (ETHANOLAMINE)  
Ingredient Sequence Number: 01  
Percent: 3  
NIOSH (RTECS) Number: KJ5775000  
CAS Number: 141-43-5  
OSHA PEL: 3 PPM; 6 STEL  
ACGIH TLV: 3 PPM; 6 STEL

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Proprietary: NO  
Ingredient: ISOPROPYL ALCOHOL (SARA III)  
Ingredient Sequence Number: 02  
Percent: 7  
NIOSH (RTECS) Number: NT8050000  
CAS Number: 67-63-0  
OSHA PEL: 400 PPM; 500 STEL  
ACGIH TLV: 400 PPM; 500 STEL

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Physical/Chemical Characteristics  
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Appearance And Odor: FLUORESCENT YELLOW/GREEN COLOR W/ALCOHOL ODOR.  
Boiling Point: 200F,93C  
Specific Gravity: 1.015  
Solubility In Water: COMPLETE  
pH: SUPDAT

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Fire and Explosion Hazard Data  
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Flash Point: 105F,41C

Flash Point Method: TCC

Extinguishing Media: USE FOG, FOAM OR FINE WATER SPRAY.

Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire And Expl Hazrds: FUMES MAY FORM FLAMMABLE MIXTURE DUE TO ALCOHOL CONTENT.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): HIGH TEMPERATURES, HEAT, SPARK OR OPEN FLAME.

Materials To Avoid: DO NOT MIX W/ANYTHING BUT WATER.

Hazardous Decomp Products: NONE SPECIFIED BY MANUFACTURER.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT  
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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: NO

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: SKIN/EYES: MAY CAUSE IRRITATION. INGEST: MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: EYES:FLUSH IMMED W/PLENTY OF COOL RUNNING WATER. REMOVE CONT LENSES. CONTINUE FLUSHING FOR AT LEAST 15 MINS. SKIN: FLUSH W/PLENTY OF COOL RUNNING WATER. WASH THORO W/SOAP & WATER. INGEST: RINSE MOUTH; THEN DRINK 1 OR 2 LGE GLASSES OF WATER. DO NOT INDUCE VOM. NEVER GIVE ANYTHING BY MOUTH TO AN UNCON PERSON. INHAL:REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE OXYGEN/ARTF RESP). CALL MD (FP N). (SUPP DATA)  
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE PROPER PROTECTIVE EQUIPMENT. REMOVE ALL IGNITION SOURCES. RECOVER FREE LIQUID. ADD ABSORBENT TO SPILL AREA.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: RINSE SMALL AMOUNTS TO DRAIN WHERE POSSIBLE. DIKE OR DAM LARGE SPILL; PUMP TO CONTAINER OR SOAK UP ON INERT ABSORBENT. FLUSH RESIDUE TO SANITARY SEWER; RINSE AREA THOROUGHLY. DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N).

Precautions-Handling/Storing: NO REQUIREMENT BEYOND STANDARD INDUSTRIAL HYGIENE PRACTICES.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.  
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Control Measures

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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: NONE SPECIFIED BY MANUFACTURER.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.  
Suppl. Safety & Health Data: PH:11.5 (100%). FIRST AID PROC:IN ALL CASES,  
IF IRRITATION OR DISCOMFORT PERSISTS, CALL MD.

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Transportation Data

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Disposal Data

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Label Data

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Label Required: YES  
Technical Review Date: 02FEB93  
Label Status: G  
Common Name: KOOL-KLENE  
Chronic Hazard: NO  
Signal Word: CAUTION!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-Slight: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: COMBUSTIBLE. KEEP AWAY FROM HEAT & OPEN FLAME.  
ACUTE:SWALLOWING MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING. MAY CAUSE  
EYE & SKIN IRRITATION. CHRONIC:NONE SPECIFIED BY MANUFACTURER.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: ECOLAB INC  
Label Street: EOLAB CENTER  
Label City: ST PAUL  
Label State: MN  
Label Zip Code: 55102  
Label Country: US  
Label Emergency Number: 800-328-0026

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