

HENKEL -- DIOCTYL ADIPATE
MATERIAL SAFETY DATA SHEET
HENKELNSN: 681000N068964
Manufacturer's CAGE: 0FRU7
Part No. Indicator: A
Part Number/Trade Name: DIOCTYL ADIPATE

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General Information
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Company's Name: HENKEL CORP
Company's Street: 300 BROOKSIDE AVE
Company's City: AMBLER
Company's State: PA
Company's Country: US
Company's Zip Code: 19002-3498
Company's Emerg Ph #: 215-628-1000
Company's Info Ph #: 215-628-1504
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 13MAR89
Safety Data Review Date: 24JAN96
MSDS Preparer's Name: WILLIAM J MEYERS
Preparer's Company: SAME
MSDS Serial Number: CBJTM

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: ADIPIC ACID, (BIS(2-ETHYLHEXYL)ESTER; (BIS(2-ETHYLHEXYL)
ADIPATE)) (SARA 313)
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: AU9700000
CAS Number: 103-23-1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

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Physical/Chemical Characteristics
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Appearance And Odor: CLEAR WATER WHITE LIQUID W/MILD ODOR.
Melting Point: N/A
Specific Gravity: 0.92(H*20=1)
Percent Volatiles By Volume: NIL

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Fire and Explosion Hazard Data
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Flash Point: >200F,>93C
Flash Point Method: PMCC
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM & DRY CHEMICAL.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL
PROTECTIVE EQUIPMENT(FP N). COOL EXPOSED CNTNRS W/WATER SPRAY.
Unusual Fire And Expl Hazrds: NONE.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE.
Materials To Avoid: STRONG OXIDIZING AGENTS.
Hazardous Decomp Products: CARBON DIOXIDE AND CARBON MONOXIDE.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data
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LD50-LC50 Mixture: LD50: (ORAL, RAT) 9.1 G/KG
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: INHAL: OVEREXP TO MIST MAY CAUSE IRRIT OF
 RESP TRACT. SKIN: MAY CAUSE SLIGHT IRRITATION. SKIN(ABSORP): CONSIDERED
 PRACTICALLY NON-TOXIC. EYE: MAY CAUSE SLIGHT IRRITATION. INGEST: CONSIDERED
 PRACTICALLY NON-TOXIC. ACUTE: POSSIBLE SKIN & EYE IRRITATION. POSSIBLE
 CANCER HAZARD BASED ON TESTS W/LAB ANIMALS.
 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 AT ONCE W/LGE ATMS OF WATER FOR AT
 LEAST 15 MINS HOLDING LIDS APART. WASHING W/IN ONE MINUTE IS ESSENTIAL TO
 ACHIEVE MAX EFTIVENESS. GET MD ATTN. SKIN: WASH THORO W/SOAP & WATER,
 REMOVE CONTAMD CLTHG & FOOTWEAR. WASH CLTHG BEFORE REUSE. GET MD ATTN IF
 IRRIT SHOULD DEVELOP. INHAL: REMOVE TO FRESH AIR. INGEST: GIVE CONSCIOUS
 PERS SEVL GLASSES OF WATER, THEN INDUCE VOMITING BY(SUPDAT)

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 Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: STOP LEAKS. CLEAN UP LGE SPILLS W/VACUUM
 TRUCK. SOAK UP SMALL SPILLS W/ABSORB MATL & PLACE IN LABELED WASTE CNTNR
 FOR DISP. WEAR ADEQ PERS PROT CLTHG & EQUIPMENT.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: DISP OF PROD IN AN APPRVD CHEMICAL WASTE LANDFILL/
 INCIN IN ACCORD W/APPLIC FEDERAL, STATE & LOCAL REGS. SINCE EMPTIED CNTNR
 RETAINS PRODUCT RESIDUES ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED.
 Precautions-Handling/Storing: PRODUCT MAY CONGEAL OR STRATIFY IF COLD.
 WARM TO 122F(50C) & MIX WELL BEFORE USING.
 Other Precautions: MAY CAUSE IRRIT. AVOID CONT W/EYES, SKIN & CLTHG. AVOID
 BRTHG SPRAY/MIST. FOR INDUSTRIAL USE ONLY.

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 Control Measures
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Respiratory Protection: NONE REQUIRED UNDER NORMAL CNDTNS OF USE. NIOSH/
 MSHA APPRVD RESP IF NECESSARY. FOLLOW MFR'S RECOMMENDATIONS.
 Ventilation: LOCAL EXHAUST VENTILATION RECOMMENDED.
 Protective Gloves: RUBBER/PLASTIC GLOVES.
 Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS(FP N).
 Other Protective Equipment: EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI
 DESIGN CRITERIA(FP N). STANDARD WORK CLTHG & WORK SHOES.
 Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
 Suppl. Safety & Health Data: FIRST AID PROC: TICKLING BACK OF THROAT W/
 FINGER. KEEP AIRWAY CLEAR. GET MED ATTN. NEVER GIVE ANYTHING BY MOUTH TO AN
 UNCONSCIOUS PERSON.

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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: 24JAN96
 Label Date: 24JAN96
 Label Status: G
 Common Name: DIOCTYL ADIPATE
 Chronic Hazard: YES
 Signal Word: CAUTION!
 Acute Health Hazard-Slight: X

Contact Hazard-Slight: X
Fire Hazard-Slight: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE: INHAL: OVEREXP TO MIST MAY CAUSE IRRIT
OF RESP TRACT. SKIN: MAY CAUSE SLIGHT IRRITATION. EYE: MAY CAUSE SLIGHT
IRRITATION. CHRONIC: POSSIBLE CANCER HAZARD BASED ON TESTS W/LAB ANIMALS.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: HENKEL CORP
Label Street: 300 BROOKSIDE AVE
Label City: AMBLER
Label State: PA
Label Zip Code: 19002-3498
Label Country: US
Label Emergency Number: 215-628-1000