

SHIPLEY -- MICROPOSIT REMOVER 1165
MATERIAL SAFETY DATA SHEET
NSN: 801000N056395
Manufacturer's CAGE: 0AS27
Part No. Indicator: A
Part Number/Trade Name: MICROPOSIT REMOVER 1165

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General Information
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Company's Name: SHIPLEY CO INC
Company's Street: 455 FOREST ST
Company's City: MARLBOROUGH
Company's State: MA
Company's Country: US
Company's Zip Code: 01752
Company's Emerg Ph #: 800-424-9300(CHEMTREC)
Company's Info Ph #: 508-481-7950
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 27FEB92
Safety Data Review Date: 29DEC94
MSDS Preparer's Name: T. BLAKESLEE
Preparer's Company: SAME
MSDS Serial Number: BWFYL
Hazard Characteristic Code: NK

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: 2-PYRROLIDINONE, 1-METHYL-; (N-METHYL-2-PYRROLIDONE)
Ingredient Sequence Number: 01
Percent: 95
NIOSH (RTECS) Number: UY5790000
CAS Number: 872-50-4
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: NON-HAZARDOUS INGREDIENTS
Ingredient Sequence Number: 02
Percent: 5
NIOSH (RTECS) Number: 1000314NH
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: WATER WHITE LIQUID W/MILD AMINE ODOR.
Boiling Point: 396F,202C
Vapor Pressure (MM Hg/70 F): 0.5 @ 25C
Vapor Density (Air=1): 3.4
Specific Gravity: 1.03
Evaporation Rate And Ref: SLOWER THAN ETHER
Solubility In Water: COMPLETE
Percent Volatiles By Volume: SUPDAT
pH: N/A

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Fire and Explosion Hazard Data
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Flash Point: 190F,88C
Flash Point Method: PMCC
Lower Explosive Limit: 0.99%
Extinguishing Media: ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL.
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). CONTAINERS NEAR FIRE MAY BE COOLED W/WATER.
Unusual Fire And Expl Hazrds: PRESSURE MAY BUILD UP IN CLOSED CONTAINERS. THIS IS ACCELERATED BY HEAT W/POSSIBLE LIBERATION OF COMBUSTIBLE VAPORS.

Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HEAT, SPARKS, FLAME.
Materials To Avoid: STRONG ACIDS, OXIDANTS.
Hazardous Decomp Products: UPON THERMAL DECOMPOSITION MAY EMIT TOXIC
FUMES, INCLUDING CARBON MONOXIDE & NITROGEN OXIDES.
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: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE:EYE & SKIN CONTACT CAN CAUSE
IRRITATION, ITCHING, REDNESS, TEARING, BURNING, INFLAMMATION. INHALATION,
INGESTION & SKIN ABSORPTION CAN CAUSE IRRITATION, HEADACHE, NAUSEA,
VOMITING, CONFUSION, GIDDINESS. CHRONIC:PROLONGED, REPEATED CONTACT W/SKIN
CAN CAUSE ITCHING, REDNESS, TEARING, BURNING, (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: HLTH HAZ:INFLAMMATION, DERMATITIS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: INGEST:CONT MD AT ONCE. EYE:FLUSH IMMED W/
PLENTY OF WATER FOR AT LST 15 MINS. CONT MD AT ONCE. SKIN:FLUSH IMMED W/
PLENTY OF WATER FOR AT LST 15 MINS. REMOVE CONTAM CLTHG. CONT MD. WASH
CLTHG BEFORE RE-USE. INHAL:MOVE INTO FRESH AIR. IF NOT BRTHG, GIVE ARTF
RESP. IF BRTHG IS DFCLT, GIVE OXYGEN. CONT MD AT ONCE. NOTE TO MD:THERE IS
NO SPECIFIC ANTIDOTE. TREATMENT OF OVEREXP SHOULD BE (SUPP DATA)
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIM SOURCES OF IGNIT, PROVIDE ADEQ VENT &
SUITABLE PROT CLTHG. COLLECT W/INERT ABSORB MATL & PLACE IN SUITABLE CNTNR
FOR DISP. DISP OF CONTAM PROD & MATLS USED IN CLEANING UP SPILLS & LEAKS IN
A MANNER APPRVD FOR THIS MATL.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DUE TO NATURE OF THIS PROD, DISP OF IT/RESIDUES
THEREFROM SHOULD BE MADE IN COMPLIANCE W/FED, STATE & LOC ENVIRON LAWS.
CONT YOUR SHIPLEY TECHNICAL REPRESENTATIVE FOR MORE INFO. IT IS YOUR
RESPONSIBILITY TO VERIFY THAT ANY REC PROCS COMPLY W/(SUPDAT)
Precautions-Handling/Storing: CAUTION! COMBUSTIBLE LIQUID. STORE IN
CLOSED, ORIGINAL CONTAINER IN A COOL, DRY AREA AT 50-90F. AVOID STORING
LONGER THAN ONE YEAR.
Other Precautions: KEEP AWAY FROM ACIDS, OXIDANTS, HEAT & SOURCES OF
IGNITION. AVOID SKIN CONTACT.
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Control Measures

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Respiratory Protection: THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON
AIRBORNE CONCENTRATION FOUND IN WORKPLACE & MUST NOT EXCEED WORKING LIMITS
OF RESPIRATOR. THE RESPIRATOR MUST BE NIOSH/MSHA APPROVED.
Ventilation: PROVIDE GOOD GEN (MECH) ROOM VENT. SPECIAL LOC EXHST VENT IS
REC AT POINTS WHERE VAPS CAN BE RELS INTO WORKPLACE AIR.
Protective Gloves: CHEMICAL RESISTANT GLOVES.
Eye Protection: CHEMICAL GOGGLES.
Other Protective Equipment: SUITABLE PROTECTIVE CLOTHING TO PREVENT SKIN
CONTACT.
Work Hygienic Practices: PRACTICE GOOD PERSONAL HYGIENE TO PREVENT
ACCIDENTAL EXPOSURE.
Suppl. Safety & Health Data: % VOLAT:100(WT). FIRST AID PROC:DIRECTED AT
THE CONTROL OF SYMPTOMS & THE CLINICAL CONDITION. WASTE DISP METH:FEDERAL,
STATE & LOCAL REGULATIONS FOR WASTEWATER DISCHARGE.
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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: 29DEC94
Label Date: 22DEC94
Label Status: G
Common Name: MICROPOSIT REMOVER 1165
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: COMBUSTIBLE. ACUTE:EYE & SKIN CONTACT CAN
CAUSE IRRITATION, ITCHING, REDNESS, TEARING, BURNING, INFLAMMATION.
INHALATION, INGESTION & SKIN ABSORPTION CAN CAUSE IRRITATION, HEADACHE,
NAUSEA, VOMITING, CONFUSION, GIDDINESS. CHRONIC:PROLONGED, REPEATED CONTACT
W/SKIN CAN CAUSE ITCHING, REDNESS, TEARING, BURNING, INFLAMMATION,
DERMATITIS.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: SHIPLEY CO INC
Label Street: 455 FOREST ST
Label City: MARLBOROUGE
Label State: MA
Label Zip Code: 01752
Label Country: US
Label Emergency Number: 800-424-9300(CHEMTREC)