

CINCINNATI MILACRON MARKETING -- CIMTECH 400 UNDYED 291 -
CUTTING FLUID
MATERIAL SAFETY DATA SHEET
NSN: 9150000514626
Manufacturer's CAGE: 86167
Part No. Indicator: A
Part Number/Trade Name: CIMTECH 400 UNDYED 291

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General Information
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Item Name: CUTTING FLUID
Company's Name: CINCINNATI MILACRON MARKETING CO
Company's Street: 4701 MARBURG AVE
Company's City: CINCINNATI
Company's State: OH
Company's Country: US
Company's Zip Code: 45209
Company's Emerg Ph #: 513-841-8181
Company's Info Ph #: 513-841-8964
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 01JAN94
Safety Data Review Date: 12SEP95
MSDS Serial Number: BYXJP

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: ETHANOL, 2-AMINO-; (ETHANOLAMINE)
Ingredient Sequence Number: 01
Percent: 10
NIOSH (RTECS) Number: KJ5775000
CAS Number: 141-43-5
OSHA PEL: 3 PPM
ACGIH TLV: 3 PPM; 6 STEL

Proprietary: NO
Ingredient: NEODECANOIC ACID
Ingredient Sequence Number: 02
Percent: 10
NIOSH (RTECS) Number: 1009390ND
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: 1-PROPANOL, 2-AMINO-2-METHYL-;
(AMINOMETHYLPROPANOL)
Ingredient Sequence Number: 03
Percent: 10
NIOSH (RTECS) Number: UA5950000
CAS Number: 124-68-5
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: HEPTANOIC ACID
Ingredient Sequence Number: 04
Percent: 10
NIOSH (RTECS) Number: MJ1575000

CAS Number: 111-14-8
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: NONANOIC ACID; (PELARGONIC ACID)
Ingredient Sequence Number: 05
Percent: 10
NIOSH (RTECS) Number: RA6650000
CAS Number: 112-05-0
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: ETHANOL, 2,2',2"-NITRILOTRI-;
(TRIETHANOLAMINE)
Ingredient Sequence Number: 06
Percent: 10
NIOSH (RTECS) Number: KL9275000
CAS Number: 102-71-6
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: SUPP DATA: SOON AS POSS. DILUTED PROD IS NOT
IRRIT TO SKIN
WHEN USED AS RECOM & GOOD PERS HYGIENE IS PRACTICED.(ING
8)
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7: REMOVE SEVERLY CONTAMD CLOTHING, INCLG
SHOES. LAUNDER
BEFORE REUSE. IF IRRIT PERSISTS, GET MED ATTN.
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: WASTE DISP METH: AS DEFINED UNDER 40CFR 261.
CIMCOOL TECHNICAL
SERVICES CAN PROVIDE A LIST OF WASTE HAULERS FOR(ING 10)
Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 9:YOUR AREA. "EMPTY" CNTNRS: WILL CONTAIN
A RESIDUE WHICH
IS NOT CONSIDERED HAZARDOUS WASTE UNDER RCRA REGS.(ING 11)
Ingredient Sequence Number: 10
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 10: DRUMS CAN BE DRAINED TO A "DRIP DRY"
CNDTN BY
INVERSION & CAN BE OFFERED FOR RECYCLING OR SCRAP.
Ingredient Sequence Number: 11
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: VENT: TOGETHER OR VENT IS INADEQ, OEPRATORS
MAY EXPER RESP
IRRIT. FOR SUCH APPLICS, USE OF SPLASH GUARDS/MIST (ING
13)
Ingredient Sequence Number: 12
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 12: COLLECTORS IS RECOMMENDED. WHEN USED
IN APPLIC
GENERATING HIGH LEVLES OF MIST, OP EXPOSURE CAN BE MIN
BY(ING 14)
Ingredient Sequence Number: 13
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 13: PROPER VENT. IF THERE IS DOUBT ABOUT
ACTUAL MIST
LEVELS PRESENT, MONITORING SHOULD BE CONDUCTED.
Ingredient Sequence Number: 14
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR W/CHEMICAL ODOR.
Boiling Point: 212F,100C
Melting Point: N/A
Vapor Pressure (MM Hg/70 F): LIKE WATER
Vapor Density (Air=1): N/A
Specific Gravity: 1.0582
Evaporation Rate And Ref: LIKE WATER
Solubility In Water: 100% MISCIBLE
pH: SUPDAT

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Fire and Explosion Hazard Data

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Flash Point: N/A
Flash Point Method: COC
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: USE MEDIA SUITABLE FOR SURROUNDING
FIRE(FP N).
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA
& FULL

PROTECTIVE EQUIPMENT(FP N).
Unusual Fire And Expl Hazrds: HAZARDOUS COMBUSTION
PRODUCTS: SMOKE, FUMES
& OXIDES OF CARBON.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: AVOID ADDITION OF STRONG ACIDS TO
PRODUCT CONCENRATE.
Hazardous Decomp Products: SMOKE, FUMES & OXIDES OF
CARBON.
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: NO
Health Haz Acute And Chronic: INHAL: EXTENDED EXPOS TO
MISTS MAY CAUSE
SWALLOWING SMALL QTYS MAY CAUSE NAUSEA/DIARRHEA. MILD SKIN
IRRIT(REDNESS &
DRYNESS OF HANDS) MAY BE EXPERIENCED WHEN DILUTED PROD HAS
BEEN CONTAMD BY
CERTAIN OILS, BY DISSOLVED METALS/WHEN MIX(EFTS OF
OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT.
Signs/Symptoms Of Overexp: HLTH HAZ: RATIO IS TOO STRONG.
SYMPS OF
OVEREXP: EYE INJURY MAY RESULT FROM CONTACT W/CONCENTRATED
PRODUCT. SKIN
IRRITATION CAN RESULT FROM IMPROPER USE & HANDLING OF
CONCENTRATE OR MIX.
Med Cond Aggravated By Exp: MAY AGGRAVATE EXISTING SKIN
IRRITATION WHERE
FURTHER DEFATTING OR SKIN PENETRATION COULD OCCUR.
Emergency/First Aid Proc: EYES: FLUSH IMMED W/RUNNING
WATER FOR AT LEAST
15 MINS, THEN PROMPTLY GET MED ATTN TO CHECK FOR POSS
IRRIT. INGEST: DO NOT
INDUCE VOMIT. DILUTE BY DRINKING WATER/MILK. IMMED CONT MD
& OBTAIN
TREATMENT. INGEST OF SMALL QTYS OF DILUTED PROD IS NOT
EXPECTED TO CAUSE
INJURY/ILLNESS; BUT AS SHOULD BE EXPECTED WHEN DRINKING
OILY, SOAPY, WATER,
NAUSEA, DIARRHEA/ABDOM DISTRESS MAY BE EXPERIENCED.
(SUPDAT)

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: CNTN SPILL, COLLECT ON
ABSORB MATL & DISCARD

AS DICTATED BY FEDERAL, STATE & LOCAL REGULATIONS THAT MAY APPLY. FLUSH AREA THOROUGHLY W/WATER. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. Waste Disposal Method: USED MIX: DISP PROCS MUST COMPLY W/LOC, COUNTY, STATE & FED REGS. IF PRE-TREATMENT IS NEEDED, CHEM EMULSION BREAKING/ ULTRAFILTRATION MAY BE USED. CONT CIMCOOL TECHNICAL SERVICES(513-841-8133) FOR ASSIST. UNUSED CONC: CONC IS NOT HAZ WASTE, (ING 9) Precautions-Handling/Storing: USE ONLY AS RECOM BY MFR. AVOID ALL CONT OF CONC W/EYES/SKIN. DO NOT SWALLOW. IF FROZEN, PROD SEPARATES. THAW COMPLETEY AT ROOM TEMP & STIR THORO. Other Precautions: CNTNS AMINES. DO NOT ADD SODIUM NITRITES/OTHER NITROSATING AGENTS TO THIS PRODUCT. SUSPECTED CANCER CAUSING NITROSAMINES COULD BE FORMED.

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Control Measures
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Respiratory Protection: PRODUCT IS NOT VOLATILE. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN(FP N). Ventilation: FOR MOST APPLICS, NORM SHOP VENT IS ADEQ. HOWEVER, WHEN HIGH MIST LEVELS ARE GENERATED/WHERE MACHINES ARE CLOSE(ING 12) Protective Gloves: IMPERVIOUS GLOVES(FP N). Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS(FP N). Other Protective Equipment: EMER EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA(FP N). EFTIVE METALWORKING PLANT PROT CLTHG AS APPROPRIATE. Work Hygienic Practices: GOOD PERSONAL HYGIENE SHOULD ALWAYS BE PRACTICED. Suppl. Safety & Health Data: PH(CONC): 9.5-9.8. (5% MIX): 8.8-9.2. FIRST AID PROC: INHAL: INHAL OF DILUTED MIX CAN OCCUR IN APPLIC WHERE HIGH MIST LEVELS ARE GENERATED. OSHA HAS SET PEL OF 15 MG/M3 FOR ANY AIRBORNE PARTICULATE AS NUISANCE LEVEL OF EXPOS. REMOVE TO FRESH AIR. SUPPORT BRTHG(GIVE O*2/ARTF RESP)(FP N). SKIN: WASH W/WATER AS(ING 7)

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Transportation Data
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Trans Data Review Date: 96151
DOT PSN Code: DWG
DOT Proper Shipping Name: CORROSIVE LIQUIDS, N.O.S.
DOT Class: 8
DOT ID Number: UN1760
DOT Pack Group: III
DOT Label: CORROSIVE
IMO PSN Code: ESH
IMO Proper Shipping Name: CORROSIVE LIQUID, N.O.S. o

IMO Regulations Page Number: 8147
IMO UN Number: 1760
IMO UN Class: 8
IMO Subsidiary Risk Label: -
IATA PSN Code: HKW
IATA UN ID Number: 1760
IATA Proper Shipping Name: CORROSIVE LIQUID, N.O.S. *
IATA UN Class: 8
IATA Label: CORROSIVE
AFI PSN Code: HKW
AFI Prop. Shipping Name: CORROSIVE LIQUID, N.O.S.
AFI Class: 8
AFI ID Number: UN1760
AFI Pack Group: III
AFI Special Prov: A7
AFI Basic Pac Ref: A12.3

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 12SEP95
Label Date: 12SEP95
Label Status: G
Common Name: CIMTECH 400 UNDYED 291
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE: INHALATION: EXTENDED
EXPOSURE TO MISTS
MAY CAUSE UPPER RESPIRATOR IRRITATION. EYE: WILL CAUSE
STINGING SENSATION
IN EYE. INGESTION: SWALLOWING SMALL QUANTITIES MAY CAUSE
NAUSEA OR
DIARRHEA. MILD SKIN IRRITATION(REDDNESS & DRYNESS OF HANDS)
MAY BE
EXPERIENCED WHEN DILUTED PRODUCT HAS BEEN CONTAMINATED BY
CERTAIN OILS, BY
DISSOLVED METALS OR WHEN MIX RATIO IS TOO STRONG.
INGESTION OF LARGE
AMOUNTS MAY CAUSE NAUSEA, DIARRHEA OR ABDOMINAL DISTRESS.
CHRONIC: NONE
LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CINCINNATI MILACRON MARKETING CO
Label Street: 4701 MARBURG AVE
Label City: CINCINNATI
Label State: OH
Label Zip Code: 45209
Label Country: US
Label Emergency Number: 513-841-8181