

CINCINNATI MILACRON MARKETING -- CIMTECH 400 PINK 293 -  
CUTTING FLUID  
MATERIAL SAFETY DATA SHEET  
NSN: 915000N063694  
Manufacturer's CAGE: 86167  
Part No. Indicator: A  
Part Number/Trade Name: CIMTECH 400 PINK 293

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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: 13SEP95  
MSDS Serial Number: BYXGP

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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

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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)

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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)

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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)

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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)

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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)

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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

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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

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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

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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  
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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

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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

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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

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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.  
SYMP S 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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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 13SEP95  
Label Date: 12SEP95

Label Status: G  
Common Name: CIMTECH 400 PINK 293  
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