

1FID: 00199834  
VER DATE: 1985-04-22

C H E M I S T R I  
MATERIAL SAFETY DATA SHEET

DATE: 10/22/02  
TIME: 19:01:33  
PAGE: 0001

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SECTION 01: CHEMICAL PRODUCT & COMPANY ID  
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PRODUCT PRIMARY NAME: GOODWRENCH 1 ETCHING COMPOUND  
ALL SYNONYMS : CN5247  
ENGINEERING EVALUATION  
ETCHING COMPOUND  
ETCHING KIT  
GM VEHICLE ID SECURITY SYSTEM KIT  
GOODWRENCH 1 ETCHING COMPOUND  
12329242  
12329242 GOODWRENCH 1 ETCHING COMPOUND  
12345335  
12345624

MSDS SIGNED BY NAME: DAVID E. JACK  
MSDS SIGNED BY TITLE: VICE PRESIDENT

SAFE USE CATEGORY AND DESCRIPTION: 09 -CORROSIVES - CONCENTRATED ACID -  
pH < 4

LAST UPDATED DATE: 1987-05-26

MANUFACTURER'S ID (MID): 000538845  
MANUFACTURER'S NAME: SECURITY ETCH INTERNATIONAL  
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 714-731-4477  
MANUFACTURER'S MAILING ADDRESS:

15551 REDHILL AVE  
TUSTIN CA 92680  
US

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SECTION 02: COMPOSITION & INGREDIENT INFO  
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CAS#	FORMULATION	W/V	CHEMICAL NAME
007664393	= 22.5000/ 0.0000%	V	HYDROFLUORIC ACID
007732185	= 45.6000/ 0.0000%	V	WATER
009000651	= 5.7000/ 0.0000%	V	TRAGACANTH GUM
015096523	= 26.2000/ 0.0000%	V	SODIUM FLUOALUMINATE

THRESHOLD LIMIT VALUE: 2.5MG/M

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SECTION 03: HAZARDS IDENTIFICATION  
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PRIMARY ENTRY ROUTE INDICATORS:  
SKIN PRIMARY ENTRY ROUTE INDICATOR = N  
EYE PRIMARY ENTRY ROUTE INDICATOR = N  
INHALATION PRIMARY ENTRY ROUTE INDICATOR = N  
INGESTION PRIMARY ENTRY ROUTE INDICATOR = N

EFFECTS OF OVEREXPOSURE: SKIN RASH; IRRITATING TO SKIN AND EYES.  
RESULTS IN GASTRIC, INTESTINAL, CIRCULATORY, RESPIRATORY & NERVOUS  
COMPLAINTS.

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SECTION 04: FIRST AID MEASURES  
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EMERGENCY FIRST AID PROCEDURES - GENERAL: FLUSH WITH WATER FOR 15 MINUTES.

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SECTION 05: FIRE-FIGHTING MEASURES  
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EXTINGUISHING MEDIA: NOT A FIRE HAZARD.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: WHEN HEATED TO DECOMPOSITION, TOXIC FUMES ARE EMMITTED. PERSONAL RESPIRATORY PROTECTION REQUIRED.

NFPA CODES:

NFPA FLAMMABILITY CODE =	1
NFPA HEALTH CODE =	3
NFPA REACTIVITY CODE =	1

FLASH POINT TEMPS: > 93.00C/ 200.00F

FLASH POINT TEXT: >200

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SECTION 06: ACCIDENTAL RELEASE MEASURES  
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SPILL OR LEAK PROCEDURES: FLUSH WITH WATER; NEUTRALIZE WITH SODIUM BICARBONATE (SODS ASH).

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SECTION 07: HANDLING AND STORAGE  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINERS SEALED. KEEP AWAY FROM HEAT. STORE IN A COOL DRY PLACE.

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SECTION 08: EXPOSURE CONTROLS - PROTECTION  
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EYE PROTECTION: PLASTIC GOGGLES

RESPIRATORY PROTECTION: NO SPECIAL PROTECTION REQUIRED.

PERSONAL PROTECTIVE EQUIPMENT: N/A

SECTION 8 - OTHER INFORMATION: N/A

PROTECTIVE GLOVES (SPECIFY TYPE): RUBBER OR NEOPRENE

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SECTION 09: PHYSICAL & CHEMICAL PROPERTIES  
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BOILING POINT TEXT: N/A

SPECIFIC GRAVITY VALUES: = 2.0000

SPECIFIC GRAVITY TEXT: =2

VAPOR DENSITY TEXT: N/A

VAPOR PRESSURE TEXT: N/A

PERCENT VOLATILE BY VOLUME TEXT: N/A

EVAPORATION RATE TEXT: N/A

SOLUBILITY IN WATER VALUES/UOM: 10.0000G/L

SOLUBILITY IN WATER TEXT: 10G/L

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: 1

PH OF PRODUCT AS RECEIVED (NEAT)/VALUE: = 1.0000

APPEARANCE: GREEN, SEMISOLID PASTE, SLIGHT ODOR.

PHYSICAL STATE: PAS

PHYSICAL STATE TEXT: PASTE

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SECTION 10: STABILITY & REACTIVITY

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STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: AVOID HEAT

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: AVOID CONTACT WITH STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN FLUORIDE GAS

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: N/A

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR.

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SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: NEUTRALIZE WITH SODIUM BICARBONATE AND TAKE TO A CHEMICAL DUMP.

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SECTION 16: OTHER INFORMATION

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LOCAL EXHAUST: N/A

SPECIAL PROTECTION: N/A

SPECIAL PROTECTION (MECHANICAL): N/A

SAFE USE CATEGORY AND DESCRIPTION :

09 CORROSIVES - CONCENTRATED ACID - pH < 4

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :

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CAS#: 007664393 HYDROFLUORIC ACID

REG:

0003,0004,0006,0007,0009,0012,0015,0016,0017,0019,0020,0023  
0024,0028,0031,0032,0033,0034,0035,0037,0038,0039,0041,0042  
0047,0048,0053,0056,0058,0059,0061,0063,0065,0066,0067,0082  
0084,0088,0089,0103,0104,0123

HHS:

OVEREXPOSURE MAY RESULT IN SEVERE SKIN, EYE, RESPIRATORY IRRITATION.  
LUNG, LIVER, KIDNEY DAMAGE.

CAS#: 007732185 WATER

REG:

0012

REG BY CATEGORY:

0034,0049,0088,0090,0105,0106,0109,0112

CAS#: 009000651 TRAGACANTH GUM

REG:

0012,0065

CAS#: 015096523 SODIUM FLUOALUMINATE

REG:

0012,0038,0065

REGULATORY KEY LIST:

0001 OSHA-PEL	0003 ACGIH-TLV	0004 GM-SPEC CHEM
0005 SUSP CARCIN	0006 EPA HW261.33	0007 EPA HW-APP 8
0008 MCMR	0009 FWPC-SEC 311	0010 EPA PRIORPOL
0011 NY SUBS CONC	0012 TSCA INV	0014 MI AIR POLLU
0015 SUP TAX CHEM	0016 MI HW-ACT 64	0017 CA HAZ SUBST
0018 NY SAN 22.8	0019 MA SUBST	0020 NJ ENV SUBST
0021 TOX ORGANICS	0022 MD CLASS I	0023 MD CLASS II
0024 EPA-ATC-I	0026 EPA-CHEMCONC	0027 WB VERY TOX
0028 WB OTHER TOX	0031 ALLGHNY CTY	0032 IL-RTK
0033 OSHA-HHCL	0034 FLT CRIT IND	0035 GM-AHC
0036 PRO EP TOX	0037 MO SPECIES	0038 MO-RTK
0039 ONT 654-86	0040 ONT DES SUB	0041 SARA312EXHAZ
0042 WI TABLE 1	0043 WI TABLE 2	0047 SARA 313
0048 CERCLASEC103	0049 P-65 CARCINO	0050 P-65 REP TOX
0051 MD CLSI .11	0052 MD CLSI .12	0053 MD CLSII .12
0054 CT 29-1	0055 CT 29-2	0056 CT 29-3
0058 EPA261.33(F)	0059 CA AIR TOX 1	0060 CA AIR TOX 2
0061 PA RTK	0063 PELS REVISED	0064 NPDES-TOXPOL
0065 NJ W&C RTK	0066 CAA HAZ POL	0067 NV HIGH HAZ.
0068 MI 307-CARC	0069 MI 307-NCARC	0070 MICH AIR
0071 CAA602 CLSI	0075 C	0076 D
0078 GREAT LAKES	0080 METALS	0082 EPA 112(R)
0083 TSCA 8(D))	0084 GM OEG	0085 TSCA-TEST
0087 TSCA 12(B)	0088 NAT. POLL. REL	0089 NY CHEM BULK
0090 GL PERSIST	0091 LAND DISP. - II	0092 UAW/GM AUDIT
0093 TSCA - SPECIAL	0095 FIFRA REG MAT	0098 DSL - CANADA
0099 NDSL - CANADA	0102 GM 1000M	0103 CAA SEC. 112(R)
0104 CERCLA-HAZWOPER	0105 GLPPP-SPECIFIC	0106 GLPPP-SPECIFIC
0107 PET. DISTILLATE	0109 APPENDIX IX	0110 GLOBAL WARM CMP
0112 RCRA PBT -DRAFT	0113 IARC-GROUP 2B	0115 IARC-GROUP 1
0116 GMW 3059-RESTR.	0117 GMW 3059-REPORT	0118 T.W. REPORT

0121 HEX CHROME, PB, 0122 ACDM-REPORTING 0123 MDEQ PART 5

GMBA/PLANT USING THIS FID:

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GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS  
CISCO: 17001;  
STATUS :ACTIVE  
GMBA: 000550679 SPO - FLINT DIVISIONAL HDQTRS.  
CISCO: 17101;  
STATUS :ACTIVE  
GMBA: 000550957 CHEMICAL RISK MANAGEMENT  
CISCO: 89150;  
STATUS :ACTIVE  
GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK  
CISCO: 99004;  
STATUS :ACTIVE