

1FID: 00199837
VER DATE: 1985-04-22

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

DATE: 10/22/02
TIME: 19:01:35
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: GOODWRENCH A ELECTRO ETCH
ALL SYNONYMS : CN5247
ELECTRO ETCH
ELECTRO-ETCH
ELECTRO-ETCH SOLUTION
ETCHING KIT
FOR EVALUATION ONLY
GM VEHICLE ID SECURITY SYSTEM KIT
GOODWRENCH A ELECTRO ETCH
12329244
12329244 GOODWRENCH A ELECTROETCH
12345335

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

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000107211	= 20.0000/ 0.0000%	V	ETHYLENE GLYCOL
000144627	= 0.0500/ 0.0000%	V	OXALIC ACID
007732185	= 65.0000/ 0.0000%	V	WATER
007786303	= 10.0000/ 0.0000%	V	Magnesium chloride
989911529	= 0.0200/ 0.0000%	V	SURFACTANT

THRESHOLD LIMIT VALUE: N/A

PERMISSIBLE EXPOSURE LIMIT: N/A

SECTION 03: HAZARDS IDENTIFICATION

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 AND EYE IRRITATION; CRACKING AND FISSURING OF SKIN.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: FLUSH WITH WATER.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: 3.20

EXTINGUISHING MEDIA: ALCOHOL FOAM, WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

NFPA CODES:

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

FLASH POINT TEMPS: > 93.00C/ 200.00F

FLASH POINT TEXT: >200F CLOSED CUP

FLASH POINT METHOD: CC

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: FLUSH WITH WATER AND MOP UP.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID HIGH TEMPERATURES OR FLAMES. KEEP CONTAINERS SEALED.

SECTION 7 - OTHER INFORMATION: N/A

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: GOGGLES

RESPIRATORY PROTECTION: NO SPECIAL PROTECTION REQUIRED.

PERSONAL PROTECTIVE EQUIPMENT: N/A

SECTION 8 - OTHER INFORMATION: N/A

PROTECTIVE GLOVES (SPECIFY TYPE): RUBBER GLOVES

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEMPS: 38.00C/ 102.00F
BOILING POINT TEXT: 102F

SPECIFIC GRAVITY VALUES: = 1.0400
SPECIFIC GRAVITY TEXT: =1.04

VAPOR DENSITY VALUES: 1.1000
VAPOR DENSITY TEXT: 1.1
VAPOR PRESSURE VALUES/UOM: 10.0000MMHG
VAPOR PRESSURE TEXT: 10 MM HG

PERCENT VOLATILE BY VOLUME TEXT: 0

EVAPORATION RATE TEXT: N/A

SOLUBILITY IN WATER TEXT: COMPLETE

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: 1.4

PH OF PRODUCT AS RECEIVED (NEAT)/VALUE: = 1.4000

APPEARANCE: CLEAR, PINK; SLIGHT ODOR.

PHYSICAL STATE: LIQ
PHYSICAL STATE TEXT: LIQUID

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y
STABILITY - CONDITIONS TO AVOID: AVOID FLAME OR HIGH TEMPERATURES.
STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: CAN REACT WITH OXIDIZING MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CHLORINE GAS.

HAZARDOUS POLYMERIZATION INDICATOR: N
HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: SMALL QUANTITIES MAY BE FLUSHED DOWN DRAIN;
LARGE QUANTITIES SHOULD BE TAKEN TO A CHEMICAL DUMP.

SECTION 16: OTHER INFORMATION

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) :

CAS#: 000107211 ETHYLENE GLYCOL

REG:

0003,0012,0017,0020,0023,0031,0032,0034,0038,0039,0042,0047
0048,0056,0061,0063,0065,0066,0068,0069,0070,0084,0088,0089
0104,0123

CAS#: 000144627 OXALIC ACID

REG:

0001,0003,0012,0017,0019,0031,0032,0038,0039,0042,0056,0061
0063,0065

CAS#: 007732185 WATER

REG:

0012

REG BY CATEGORY:

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

CAS#: 007786303 Magnesium chloride

REG:

0012

REG BY CATEGORY:

0047,0088

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:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE

GMBA: 000550679 SPO - FLINT DIVISIONAL HDQTRS.
CISCO: 17101;
STATUS :ACTIVE

GMBA: 000550681 SPO - FLINT PARTS
CISCO: 17501;
STATUS :ACTIVE

GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
STATUS :ACTIVE

GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK
CISCO: 99004;
STATUS :ACTIVE