

1FID: 00236830
VER DATE: 1997-04-15

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

DATE: 10/22/02
TIME: 19:02:00
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: GM ULTRA BLACK
ALL SYNONYMS : GM ULTRA BLACK
GM ULTRA BLACK 3.35 OZ. TB/CG
GOODWRENCH RTV SILICONE RUBBER SEALANT
RTV SILICONE RUBBER SEALANT - BLACK
SA 3336
TPW773
ULTRA BLACK
12345739
12345997
18232
2559

MSDS SIGNED BY TITLE: RESEARCH CHEMIST, ENVIRONMENTAL HEALTH & SAFETY

SAFE USE CATEGORY AND DESCRIPTION: 06 -ADHESIVES, SEALERS - GENERAL

LAST UPDATED DATE: 1997-04-15

MANUFACTURER'S ID (MID): 000522786
MANUFACTURER'S NAME: LOCTITE CORP
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 860-571-5100
MANUFACTURER'S MAILING ADDRESS:

1001 TROUT BROOK CROSSING
ALSO SEE GMBA #502982 (PERMATEX)
ROCKY HILL CT 06067-3910
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000471341	R 30.0000/ 35.0000%	W	CARBONIC ACID, CALCIUM SALT (1:1)
001333864	R 0.1000/ 1.0000%	W	CARBON BLACK
002224331	R 3.0000/ 5.0000%	W	2-Butanone, O,O',O''-(ethenylsilylidyne)trioxime
007429905	R 0.1000/ 1.0000%	W	ALUMINUM
063148629	R 15.0000/ 20.0000%	W	SF-96
068611449	R 5.0000/ 10.0000%	W	Silane, dichlorodimethyl-, reaction products with silica
070131678	R 35.0000/ 40.0000%	W	Siloxanes and Silicones, di-Me, hydroxy-terminated

SECTION 2 - OTHER INFORMATION: WHEN THIS PRODUCT IS EXPOSED TO MOISTURE, 5-10% METHYL ETHYL KETOXIME (CAS# 96297) MAY BE FORMED. // OTHER EXPOSURE LIMITS - CAS# 471-34-1: NONE; CAS# 68611-44-9: 6 MG/M3; CAS# 7429-90-5: NONE; CAS# 1333-86-4: 5 PPM; CAS# 96-29-7: 3 PPM TWA, 10 PPM STEL.

THRESHOLD LIMIT VALUE: ACGIH TLV - CAS# 471-34-1: 10 MG/M3 DUST; CAS#

68611-44-9: 10 MG/M3; CAS# 7429-90-5: 10 MG/M3 DUST; CAS# 1333-86-4: 3.5 MG/M3 TWA; CAS# 96-29-7: NONE.

PERMISSIBLE EXPOSURE LIMIT: OSHA PEL - CAS# 471-34-1: 15 MG/M3 DUST, 5 MG/M3 RESPIR.; CAS# 68611-44-9: 6 MG/M3; CAS# 7429-90-5: 15 MG/M3 DUST, 5 MG/M3 RESPIR.; CAS# 1333-86-4: 3.5 MG/M3 TWA; CAS# 96-29-7: NONE.

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR =	Y
INHALATION PRIMARY ENTRY ROUTE INDICATOR =	Y
INGESTION PRIMARY ENTRY ROUTE INDICATOR =	Y

EFFECTS OF OVEREXPOSURE: EYE AND SKIN IRRITANT. MODERATELY TOXIC BY INGESTION. VAPORS IRRITATE EYES, NOSE AND THROAT. // SIGNS AND SYMPTOMS OF EXPOSURE: METHYL ETHYL KETOXIME PRODUCED DURING CURE IS TOXIC AND IRRITATES EYES, NOSE AND THROAT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN

ADDITIONAL HEALTH HAZARD DATA: TARGET ORGAN AND OTHER HEALTH EFFECTS:

CAS# 70131-67-8: NO DATA; CAS# 471-34-1: NUISANCE DUST; CAS# 63148-62-9: IRRITANT; CAS# 68611-44-9: NO DATA; CAS# 2224-33-1: NO DATA; CAS# 7429-90-5: IRRITANT, LUNG; CAS# 1333-86-4: ACGIH-UNCLASSIFIABLE AS HUMAN CARC., RESPIRATORY; CAS# 96-29-7: ALLERGEN, BLOOD, CENTRAL NERVOUS SYSTEM, IRRITANT.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: WIPE OFF PASTE WITH PAPER TOWEL OR CLOTH. WASH THOROUGHLY WITH SOAP AND WATER

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, OBTAIN MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: NAV 0.00

FLAMMABLE UEL: NAV 0.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NOT AVAILABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

NFPA CODES:

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

FLASH POINT TEMPS: > 200.00F

FLASH POINT METHOD: TCC

SECTION 5 - OTHER INFORMATION: ESTIMATED NFPA(R) CODE: HEALTH HAZARD = 1, FIRE HAZARD = 1. REACTIVITY HAZARD = 1, SPECIFIC HAZARD = NO WATER. // ESTIMATED HMIS CODE: HEALTH HAZARD = 1, FLAMMABILITY HAZARD = 1, REACTIVITY HAZARDS = 1, PERSONAL PROTECTION: SEE SECTION 8.

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: WIPE OR SCRAPE UP SPILLED MATERIAL. MAINTAIN GOOD VENTILATION FOR LARGE SPILLS. PLACE SCRAP MATERIAL IN A WELL VENTILATED AREA AND ALLOW TO CURE TO RUBBER.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: SAFE HANDLING CONDITIONS MAY BE MAINTAINED BY KEEPING VAPOR CONCENTRATIONS BELOW THE OSHA PERMISSIBLE LIMIT FOR FORMALDEHYDE. // SAFE STORAGE: STORE IN A DRY AREA BELOW 90 F. KEEP CONTAINERS CLOSED WHEN NOT IN USE. // HANDLING: AVOID SKIN AND EYE CONTACT. AVOID BREATHING VAPOR.

SECTION 7 - OTHER INFORMATION: CONTACT LOCTITE CUSTOMER SERVICE 1-(800-243-4874 FOR SHELF LIFE INFORMATION)

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SAFETY GLASSES OR GOGGLES. AVOID CONTACT LENSES.

RESPIRATORY PROTECTION: NOT AVAILABLE

VENTILATION: PROVIDE LOCAL VENTILATION FOR PROLONGED USE IN A CONFINED AREA.

SECTION 8 - OTHER INFORMATION: SEE SECTION 2 FOR EXPOSURE LIMITS.

PROTECTIVE GLOVES (SPECIFY TYPE): RUBBER OR PLASTIC GLOVES.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: 0.464 LBS/GAL VOC VOLATILE ORGANIC COMPOUND (EPA METHOD 24) 4.3%; 56 GRAMS PER LITER

BOILING POINT TEXT: NOT APPLICABLE, POLYMERIC

SPECIFIC GRAVITY VALUES: = 1.3000

VAPOR DENSITY VALUES: = 3.0000

VAPOR PRESSURE TEXT: LESS THAN 5MM AT 70 F

EVAPORATION RATE TEXT: (ETHER = 1): NOT AVAILABLE

SOLUBILITY IN WATER TEXT: POLYMERIZED

PH OF PRODUCT AS RECEIVED (NEAT)/VALUE: R 7.0000- 8.0000

APPEARANCE: BLACK PASTE

ODOR: MILD

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: NOT AVAILABLE

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS. POLYMERIZED BY CONTACT WITH MOISTURE.

HAZARDOUS DECOMPOSITION PRODUCTS: HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: FORMALDEHYDE, SILICA FUME // HAZARDOUS DECOMPOSITION PRODUCTS (NON-THERMAL): METHYL ETHYL KETOXIME

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA UNLIMITED TEXT: SEE SECTION 3.

CARCINOGENICITY: WHEN HEATED TO TEMPERATURES ABOVE 300 F (150 C) IN THE PRESENCE OF AIR, THIS PRODUCT CAN FORM FORMALDEHYDE VAPORS.

FORMALDEHYDE IS A POTENTIAL CANCER HAZARD AND A KNOWN SKIN AND RESPIRATORY SENSITIZER. // CAS# 70131-67-8: NTP: NO, IARC: NO, OSHA: NO; CAS# 471-34-1: NTP: NO, IARC: NO, OSHA: NO; CAS# 63148-62-9: NTP: NO, IARC: NO, OSHA: NO; CAS# 68611-44-9: NTP: NO, IARC: NO, OSHA: NO; CAS# 2224-33-1: NTP: NO, IARC: NO, OSHA: NO; CAS# 7429-90-5: NTP: NO, IARC: NO, OSHA: NO; CAS# 1333-86-4: NTP: NO, IARC: 2B, OSHA: NO; CAS# 96-29-7: NTP: NO, IARC: NO, OSHA: NO.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NO DATA AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: CURED RUBBER CAN BE INCINERATED OR LANDFILLED FOLLOWING EPA AND LOCAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: DOT (49 CFR 172) DOMESTIC GROUND TRANSPORT - PROPER SHIPPING NAME: UNRESTRICTED. HAZARD CLASS OR DIVISION: UNRESTRICTED. IDENTIFICATION NUMBER: NONE. MARINE POLLUTANT: NONE.

SECTION 14 - OTHER INFORMATION: IATA - PROPER SHIPPING NAME: UNRESTRICTED; CLASS OR DIVISION: UNRESTRICTED; UN OR ID NUMBER: NONE.

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: CA PROPOSITION 65: NO PROPOSITION 65
CHEMICALS ARE KNOWN TO BE PRESENT.

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: EPA HAZARDOUS WASTE NUMBER: NH - NOT
A RCRA HAZARDOUS WASTE MATERIAL
SAFE USE CATEGORY AND DESCRIPTION :

06 ADHESIVES, SEALERS - GENERAL

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

CAS#: 000471341 CARBONIC ACID, CALCIUM SALT (1:1)

REG:

0012,0017,0039

CAS#: 001333864 CARBON BLACK

REG:

0001,0003,0012,0019,0038,0039,0042,0056,0061,0065,0084,0113
0122

HHS:

IARC CLASSIFICATION OF 2B - POSSIBLY CARCINOGENIC TO HUMANS.

CAS#: 002224331 2-Butanone, O,O',O''-(ethenylsilylydyne)trioxime

REG:

0012

CAS#: 007429905 ALUMINUM

REG:

0003,0010,0012,0017,0019,0020,0023,0032,0038,0039,0042,0047
0056,0061,0063,0064,0065,0068,0069,0084,0088

CAS#: 063148629 SF-96

REG:

0012

CAS#: 068611449 Silane, dichlorodimethyl-, reaction products with silic

REG:

0012,0095,0098

CAS#: 070131678 Siloxanes and Silicones, di-Me, hydroxy-terminated

REG:

0012

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: 000550797 CLCD - BUICK CITY ASSEMBLY
CISCO: 19400;
STATUS :INACTIVE

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

GMBA: 000550960 GM DESERT PROVING GROUND
CISCO: 91008;
STATUS :ACTIVE

GMBA: 000550966 GM PROVING GROUND - MILFORD
CISCO: 94017;
STATUS :ACTIVE

GMBA: 000550976 GM TECHNICAL CENTER, TOTAL SITE
CISCO: 96003;
STATUS :ACTIVE

GMBA: 000556298 GM TECHNICAL CENTER, TOTAL SITE
STATUS :ACTIVE

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

GMBA: 000557289 GM TECHNICAL CENTER, R & D
CISCO: 99010;
STATUS :ACTIVE

GMBA: 000557375 SPO - CONTRACT HOUSE
CISCO: 99011;

STATUS :ACTIVE