

1FID: 00311340  
VER DATE: 1994-04-23

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

DATE: 10/22/02  
TIME: 19:02:22  
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SECTION 01: CHEMICAL PRODUCT & COMPANY ID  
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PRODUCT PRIMARY NAME: SUPER LUBE SYNTHETIC-BASED LUBRICANT WITH PTFE  
ALL SYNONYMS : GOODWRENCH SUPER LUBE  
HMB-32  
SEE FID #301853 FOR BULK PRODUCT  
SUPER LUBE - MULTI PURPOSE LUBRICANT  
SUPER LUBE SYNTH LUBRICANT WITH TEFLON (FORMER)  
SUPER LUBE SYNTH LUBRICANT WITH TEFLON 20029  
SUPER LUBE SYNTHETIC LUBRICANT WITH TEFLON (AEROSOL)  
SUPER LUBE SYNTHETIC-BASED LUBRICANT WITH PTFE  
TEFLON SPRAY LUBRICANT  
TPW776  
10-4011  
12346241  
20029  
3543  
771302  
88900397

MSDS SIGNED BY NAME: STEPHEN REPETTO

SAFE USE CATEGORY AND DESCRIPTION: 02 -SOLVENTS - FLASH POINT: < 100 F

LAST UPDATED DATE: 2002-01-27

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 1 - OTHER INFORMATION: PREPARED BY: STEPHEN REPETTO. TITLE:  
RESEARCH CHEMIST; SAFETY, HEALTH & REGULATORY AFFAIRS.

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SECTION 02: COMPOSITION & INGREDIENT INFO  
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CAS#	FORMULATION	W/V	CHEMICAL NAME
000124389	R 3.0000/ 5.0000%	W	CARBON DIOXIDE
000142825	R 60.0000/ 65.0000%	W	HEPTANE
009002840	R 1.0000/ 3.0000%	W	ETHYLENE, TETRAFLUORO-, POLYMER
068611449	R 3.0000/ 5.0000%	W	Silane, dichlorodimethyl-, reactio n products with silica
068649127	R 30.0000/ 35.0000%	W	1-Decene, tetramer, mixed with 1-d ecene trimer, hydrogenated

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SECTION 03: HAZARDS IDENTIFICATION  
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PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR = Y  
EYE PRIMARY ENTRY ROUTE INDICATOR = Y  
INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y  
INGESTION PRIMARY ENTRY ROUTE INDICATOR = Y  
PRIMARY ROUTES OF ENTRY TEXT: HEPTANE (142-82-5): INHALATION,  
INGESTION, CONTACT.

EFFECTS OF OVEREXPOSURE - SKIN: TOXICITY: POSSIBLE SKIN IRRITANT. SIGNS AND SYMPTOMS OF EXPOSURE: DRY SKIN. IRRITATION UPON PROLONGED CONTACT. SOLVENT CAN DRY AND DEFAT THE SKIN CAUSING IT TO CRACK, LEADING TO DERMATITIS.

EFFECTS OF OVEREXPOSURE - EYE: TOXICITY: EYE IRRITANT. SIGNS AND SYMPTOMS OF EXPOSURE: MODERATE TO SEVERE IRRITATION FROM LIQUID OR VAPOR CONTACT.

EFFECTS OF OVEREXPOSURE - INHALATION: SIGNS AND SYMPTOMS OF EXPOSURE: RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED COORDINATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN.

ADDITIONAL HEALTH HAZARD DATA: TOXICITY: ANESTHETIC. TARGET ORGAN AND OTHER HEALTH EFFECTS: (142-82-5): CENTRAL NERVOUS SYSTEM, IRRITANT. (68649-12-7): NO DATA. (124-38-9): CENTRAL NERVOUS SYSTEM. (68611-44-9) AND (9002-84-0): NO TARGET ORGANS.

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SECTION 04: FIRST AID MEASURES  
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EMERGENCY FIRST AID PROCEDURES - SKIN: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
EMERGENCY FIRST AID PROCEDURES - EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.  
EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. OBTAIN MEDICAL ATTENTION.  
EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

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SECTION 05: FIRE-FIGHTING MEASURES  
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SPECIAL FIRE FIGHTING PROCEDURES: NOT AVAILABLE. RECOMMENDED EXTINGUISHING AGENTS: CARBON DIOXIDE, FOAM, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG. WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

HMIS CODES:

HMIS REACTIVITY CODE = 0  
HMIS HEALTH CODE = 1  
HMIS FLAMMABILITY CODE = 3

NFPA CODES:  
NFPA FLAMMABILITY CODE = 3  
NFPA HEALTH CODE = 1  
NFPA REACTIVITY CODE = 0

FLASH POINT TEMPS: = 30.00F  
FLASH POINT METHOD: TCC  
FLASH POINT METHOD TEXT: TAG CLOSED CUP.

SECTION 5 - OTHER INFORMATION: HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: IRRITATING ORGANIC VAPORS; CARBON MONOXIDE. EXPLOSIVE LIMITS: (% BY VOLUME IN AIR) LOWER: HEPTANE (142-82-5): 1.1%; (% BY VOLUME IN AIR) UPPER: HEPTANE: 6.7%. ESTIMATED NFPA: SPECIFIC HAZARD: DOES NOT APPLY. ESTIMATED HMIS: PERSONAL PROTECTION: SEE SECTION 8.

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SECTION 06: ACCIDENTAL RELEASE MEASURES

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SPILL OR LEAK PROCEDURES: MAINTAIN GOOD VENTILATION. AVOID BREATHING VAPORS. REMOVE ALL SOURCES OF IGNITION. SOAK UP WITH AN INERT ABSORBENT AND STORE IN A CLOSED CONTAINER UNTIL DISPOSAL.

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SECTION 07: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE BELOW 120 DEG. F. IN A TIGHTLY CLOSED CONTAINER AWAY FROM OXIDIZING MATERIALS AND SOURCES OF IGNITION. STORAGE AREAS SHOULD BE COOL, DRY, AND WELL VENTILATED. DO NOT STICK PIN, NAIL, OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. SMALL PRESSURIZED CONTAINERS OF FLAMMABLE PRODUCTS MAY BE STORED IN AREAS SUITABLE FOR ORDINARY COMBUSTIBLES WITH RESPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION, EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS. (CONTACT LOCTITE CUSTOMER SERVICE AT 1-800-243-4874 FOR SHELF LIFE INFORMATION). KEEP AWAY FROM FLAME. AVOID PROLONGED BREATHING OF VAPORS. DO NOT SPRAY IN EYES. AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY.

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SECTION 08: EXPOSURE CONTROLS - PROTECTION

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EYE PROTECTION: SAFETY GLASSES WITH SPLASH GUARDS OR GOGGLES OR FULL FACE SHIELD.

RESPIRATORY PROTECTION: NOT AVAILABLE.

ENGINEERING CONTROLS: VENTILATION: SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF HAZARDOUS INGREDIENTS BELOW ACCEPTABLE LIMITS AND LEL BELOW STATED LIMIT.

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

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SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

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OTHER VOLATILE ORGANIC COMPOUND RELATED DATA: 66.56  
ANALYTICAL VOC WITHOUT WATER: 66.56 BY

BOILING POINT TEXT: NOT AVAILABLE.

SPECIFIC GRAVITY TEXT: NOT AVAILABLE.

VAPOR DENSITY TEXT: NOT AVAILABLE.

VAPOR PRESSURE TEXT: NOT AVAILABLE.

EVAPORATION RATE TEXT: NOT AVAILABLE.

SOLUBILITY IN WATER TEXT: NIL.

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: DOES NOT APPLY.

APPEARANCE: WHITE GREASE.

ODOR: ALIPHATIC.

PHYSICAL STATE: PAS

SECTION 9 - OTHER INFORMATION: VOLATILE ORGANIC COMPOUND (EPA METHOD  
24): 66.56%.

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SECTION 10: STABILITY & REACTIVITY  
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STABILITY INDICATOR: Y

STABILITY - TEXT: INCOMPATIBILITY: STRONG OXIDIZERS. CONDITIONS TO  
AVOID: NOT AVAILABLE.

HAZARDOUS DECOMPOSITION PRODUCTS: (NON-THERMAL): NONE.

HAZARDOUS POLYMERIZATION INDICATOR: N

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SECTION 11: TOXICOLOGICAL INFORMATION  
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CARCINOGENICITY: (142-82-5), (68649-12-7), (124-38-9), (68611-44-9):  
NTP, IARC, OSHA: NO. (9002-84-0): NTP, OSHA: NO; IARC: NOT APPLICABLE.

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SECTION 12: ECOLOGICAL INFORMATION  
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ECOLOGICAL INFORMATION: NO DATA AVAILABLE.

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SECTION 13: DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL METHOD: RECOMMENDED METHODS OF DISPOSAL: INCINERATE  
FOLLOWING EPA AND LOCAL REGULATIONS.

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SECTION 14: TRANSPORT INFORMATION  
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DOT INFORMATION: DOT (49 CFR 172): DOMESTIC GROUND TRANSPORT: PROPER SHIPPING NAME: CONSUMER COMMODITY. HAZARD CLASS OR DIVISION: ORM-D. IDENTIFICATION NUMBER, MARINE POLLUTANT: NONE.

SECTION 14 - OTHER INFORMATION: IATA: PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE. CLASS OR DIVISION: CLASS 2.1. UN OR ID NUMBER: UN1950.

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SECTION 15: REGULATORY INFORMATION  
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SARA 311/312 HAZARD INDICATORS:

IMMEDIATE HEALTH INDICATOR = Y  
DELAYED HEALTH INDICATOR = Y

RCRA HAZARDOUS WASTE TEXT (NOT UNLIMITED - 4 CHAR): 901

SECTION 15 - OTHER INFORMATION: ALL COMPONENTS ARE EITHER ON OR EXEMPT FROM THE TSCA INVENTORY. CA PROPOSITION 65: NO PROP 65 CHEMICALS ARE KNOWN TO BE PRESENT.

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SECTION 16: OTHER INFORMATION  
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RCRA HAZARDOUS WASTE NUMBER TEXT: EPA HAZARDOUS WASTE NUMBER: HAZARDOUS WASTE PER 40 CFR 261.21. (IGNITABLE).  
SAFE USE CATEGORY AND DESCRIPTION :

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02 SOLVENTS - FLASH POINT: < 100 F

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :  
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CAS#: 000124389 CARBON DIOXIDE

REG:

0001,0003,0012,0017,0019,0032,0038,0039,0061,0063,0065,0076  
0084,0122

CAS#: 000142825 HEPTANE

REG:

0001,0003,0012,0019,0031,0032,0038,0039,0056,0061,0063,0065  
0068,0084,0122

CAS#: 009002840 ETHYLENE, TETRAFLUORO-, POLYMER

REG:

0012,0061

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

REG:

0012,0095,0098

CAS#: 068649127 1-Decene, tetramer, mixed with 1-decene trimer, hydroge

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
0057	EPA261.33(E)	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: 000550741 MCD GROUP - WARREN  
CISCO: 18001;  
STATUS :ACTIVE

GMBA: 000550749 LAD - OKLAHOMA ASSEMBLY  
CISCO: 18014;  
STATUS :ACTIVE

GMBA: 000550824 DELPHI E - PLANT #14 - OLATHE  
CISCO: 35008;  
STATUS :ACTIVE

GMBA: 000550884 GMTG - PONTIAC EAST ASSEMBLY  
CISCO: 48069;  
STATUS :ACTIVE

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: 000551972 INLAND FISHER GUIDE - BREA  
CISCO: 39064;  
STATUS :ACTIVE

GMBA: 000555104 TRUCK PRODUCT CENTER - WEST  
STATUS :INACTIVE

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