

1FID: 00227595  
VER DATE: 1993-12-21

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

DATE: 10/22/02  
TIME: 19:01:50  
PAGE: 0001

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SECTION 01: CHEMICAL PRODUCT & COMPANY ID  
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PRODUCT PRIMARY NAME: FUEL INJECTOR CLEANER  
ALL SYNONYMS : AC DELCO FUEL INJECTOR CLEANER  
AUTOCARE INJECTOR CLEANER RS-2503  
FUEL INJECTOR CLEANER  
GOODWRENCH FUEL INJECTOR CLEANER  
HM#40  
RS-2503  
10-100  
1072 (SP CODE)  
12346291  
12346294  
58001HM40

SAFE USE CATEGORY AND DESCRIPTION: 03 -SOLVENTS - FLASH POINT: > 100 F

LAST UPDATED DATE: 1993-12-21

MANUFACTURER'S ID (MID): 000539666  
MANUFACTURER'S NAME: GUARDSMAN PRODUCTS INC  
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 231-924-3950  
MANUFACTURER'S MAILING ADDRESS:

ALSO SEE GMBA #556365  
411 N. DARLING  
FREMONT MI 49412  
US

PRODUCT USE: FUEL INJECTOR CLEANER

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SECTION 02: COMPOSITION & INGREDIENT INFO  
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CAS#	FORMULATION	W/V	CHEMICAL NAME
014676610	< 0.0000/ 5.0000%	W	1-Propanamine, 3-(tridecyloxy)-
064742478	R 1.0000/ 10.0000%	W	DISTILLATES (PETROLEUM), HYDROTREA TED LIGHT
064742887	R 15.0000/ 25.0000%	W	Solvent naphtha, petroleum, medium aliph.
068908554	R 15.0000/ 25.0000%	W	Phenol, polybutene derivs.
989945208	B 0.0000/ 0.0000%	W	BLENDED MINERAL OIL

SECTION 2 - OTHER INFORMATION: AWAITING NARROWER RANGES FROM  
MANUFACTURE.

THRESHOLD LIMIT VALUE: SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC:  
100PPM. // DISTILLATES (PETROLEUM), HYDROTREATED LIGHT: 100PPM. //  
BLENDED MINERAL OILS: 5MG/M3.

PERMISSIBLE EXPOSURE LIMIT: SOLVENT NAPHTHA (PETROLEUM), MEDIUM  
ALIPHATIC: 100PPM. // DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:  
100PPM. // BLENDED MINERAL OILS: 5MG/M3.

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SECTION 03: HAZARDS IDENTIFICATION  
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PRIMARY ENTRY ROUTE INDICATORS:

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

EFFECTS OF OVEREXPOSURE - SKIN: MAY CAUSE SKIN IRRITATION.  
EFFECTS OF OVEREXPOSURE - EYE: MAY CAUSE EYE IRRITATION.  
EFFECTS OF OVEREXPOSURE - INHALATION: VAPOR OR MIST INHALATION MAY  
CAUSE RESPIRATORY TRACT IRRITATION OR CNS DEPRESSION.

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SECTION 04: FIRST AID MEASURES  
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EMERGENCY FIRST AID PROCEDURES - SKIN: REMOVE CONTAMINATED CLOTHING AND  
SHOES. WASH WITH MILD SOAP AND WATER, APPLY SKIN CREAM FOR IRRITATION.  
EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH WITH RUNNING WATER FOR 15  
MINUTES, HOLDING LID OPEN TO EXPOSE SURFACE, CONTACT PHYSICIAN.  
EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR AT  
ONCE. APPLY ARTIFICIAL RESPIRATION IF NECESSARY, CONTACT PHYSICIAN  
IMMEDIATELY.  
EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING,  
CONTACT PHYSICIAN IMMEDIATELY.

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SECTION 05: FIRE-FIGHTING MEASURES  
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FLAMMABLE LEL: ND 0.00  
FLAMMABLE UEL: ND 0.00

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: USE SCBA. WATER IS NOT SUITABLE AS AN  
EXTINGUISHING MEDIA, BUT MAY BE USEFUL FOR COOLING NEARBY CONTAINERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: PRESSURE MAY DEVELOP IN CLOSED  
CONTAINERS IF OVERHEATED.

HMIS CODES:

HMIS REACTIVITY CODE = 0  
HMIS HEALTH CODE = 2  
HMIS FLAMMABILITY CODE = 2  
NFPA CODES:  
NFPA FLAMMABILITY CODE = 2  
NFPA HEALTH CODE = 2  
NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: NOT DETERMINED

FLASH POINT TEMPS: = 140.00F  
FLASH POINT METHOD: TCC

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SECTION 06: ACCIDENTAL RELEASE MEASURES  
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SPILL OR LEAK PROCEDURES: REMOVE IGNITION SOURCES. DIKE AND TAKE UP

WITH ADSORBENT MATERIAL. ENSURE ADEQUATE VENTILATION.

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SECTION 07: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE OR HANDLE NEAR HEAT, SPARKS, FLAME, OR STRONG OXIDIZERS. ALWAYS MAINTAIN ADEQUATE VENTILATION.

SECTION 7 - OTHER INFORMATION: OTHER PRECAUTIONS: AVOID BREATHING VAPORS OR MISTS; PROLONGED OR REPEATED SKIN CONTACT.

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SECTION 08: EXPOSURE CONTROLS - PROTECTION

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EYE PROTECTION: FACE SHIELD OR SAFETY GLASSES RECOMMENDED.

RESPIRATORY PROTECTION: NONE REQUIRED IN NORMAL USE, BUT AN EFFECTIVE, NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE USED AT ANY TIME WHEN VAPOR CONCENTRATIONS EXCEED ESTABLISHED STANDARDS.

VENTILATION: MAINTAIN LEVEL BELOW LISTED STANDARDS.

PERSONAL PROTECTIVE EQUIPMENT: NONE REQUIRED IN NORMAL USE.

WORKPLACE/HYGIENIC PRACTICES: BASIC GOOD HOUSEKEEPING.

SECTION 8 - OTHER INFORMATION: AWAITING GLOVE TYPE INFORMATION FROM MANUFACTURE. // OTHER: NONE GENERALLY REQUIRED.

PROTECTIVE GLOVES (SPECIFY TYPE): CHEMICAL RESISTANT.

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SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

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THEORETICAL VOC WITHOUT WATER: 7.2 LBS/GAL.

BOILING POINT TEMPS: > 300.00F  
BOILING POINT TEXT: IBP

SPECIFIC GRAVITY VALUES: = 0.8600  
SPECIFIC GRAVITY TEXT: TYPICAL

VAPOR DENSITY VALUES: > 1.0000  
VAPOR PRESSURE TEXT: NOT DETERMINED

PERCENT VOLATILE BY WEIGHT TEXT: BY VOLUME: NOT DETERMINED.

EVAPORATION RATE TEXT: NOT DETERMINED

SOLUBILITY IN WATER TEXT: NO

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: NOT DETERMINED

APPEARANCE: DARK LIQUID

ODOR: SOLVENT ODOR

SECTION 9 - OTHER INFORMATION: RECOMMENDED DILUTION: SEE CONTAINER FOR SPECIFIC USE DIRECTIONS. // WATER REACTIVE: NIL

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SECTION 10: STABILITY & REACTIVITY  
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STABILITY INDICATOR: Y  
STABILITY - CONDITIONS TO AVOID: HEAT, SPARKS, OPEN FLAME.

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS LIKE CHLORINE OR CONCENTRATED OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS: FUMES, SMOKE, COX.

HAZARDOUS POLYMERIZATION INDICATOR: N  
HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: NONE KNOWN.

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SECTION 11: TOXICOLOGICAL INFORMATION  
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CHRONIC EFFECTS: HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS, OR FUMES SHOULD BE MINIMIZED. REPORTS HAVE ASSOCIATED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CARCINOGENICITY: NOT LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA.

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SECTION 13: DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL METHOD: COMPLY WITH ALL APPLICABLE REGULATIONS.

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SECTION 14: TRANSPORT INFORMATION  
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DOT INFORMATION: DOT ID NUMBER: NOT APPLICABLE. BASED ON DOMESTIC GROUND TRANSPORTATION IN NON-BULK CONTAINERS. PLEASE SEE 49 CFR 173.120 (B) (2) AND 173.150 (F) (2) FOR DETAILS. // DOT HAZARD CLASS: NOT APPLICABLE. BASED ON DOMESTIC GROUND TRANSPORTATION IN NON-BULK CONTAINERS. PLEASE SEE 49 CFR 173.120 (B) (2) AND 173.150 (F) (2) FOR DETAILS. // DOT SHIPPING NAME: NOT APPLICABLE. BASED ON DOMESTIC GROUND TRANSPORTATION IN NON-BULK CONTAINERS. PLEASE SEE 49 CFR 173.120 (B) (2) AND 173.150 (F) (2) FOR DETAILS. // PRECAUTIONARY LABEL: NONE REQUIRED. // PACKING GROUP: NOT APPLICABLE. BASED ON DOMESTIC GROUND TRANSPORTATION IN NON-BULK CONTAINERS. PLEASE SEE 49 CFR 173.120 (B) (2) FOR DETAILS.

SECTION 14 - OTHER INFORMATION: IMO/IATA ID NUMBER: UN1993 / UN1993. // IMO/IATA HAZARD CLASS: 3.3/3. // IMO SHIPPING NAME: NAPHTHA, SOLVENT MIXTURE. // IATA SHIPPING NAME: NAPHTA MIXTURE. // IMO/IATA PRECAUTIONARY LABEL: FLAMMABLE LIQUID/FLAMMABLE LIQUID. // IMO/IATA PACKING GROUP: III/III. // IMO PAGE NUMBER: 3368. // MARINE POLLUTANT: NO.

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SECTION 16: OTHER INFORMATION  
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LOCAL EXHAUST: YES RATE: < 60 FPM MECH. (GENERAL): NO  
SAFE USE CATEGORY AND DESCRIPTION :

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03 SOLVENTS - FLASH POINT: > 100 F  
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REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :  
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CAS#: 014676610 1-Propanamine, 3-(tridecyloxy)-

REG:  
0012

CAS#: 064742478 DISTILLATES (PETROLEUM), HYDROTREATED LIGHT

REG:  
0012,0107  
REG BY CATEGORY:  
0122

CAS#: 064742887 Solvent naphtha, petroleum, medium aliph.

REG:  
0012  
REG BY CATEGORY:  
0122

CAS#: 068908554 Phenol, polybutene derivs.

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:

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GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS  
CISCO: 17001;  
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: 000556298 GM TECHNICAL CENTER, TOTAL SITE  
STATUS :INACTIVE

GMBA: 000556410 DELPHI AUTOMOTIVE-BRIGHTON  
STATUS :ACTIVE

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

GMBA: 000557022 AC DELCO  
CISCO: 99007;  
STATUS :ACTIVE

GMBA: 000557375 SPO - CONTRACT HOUSE  
CISCO: 99011;  
STATUS :ACTIVE