

General Motors Corporation Material Safety Data Sheet

September, 1999

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

TRADENAME: CARBURETOR TUNE-UP CONDITIONER

X66-A

12302498

MSDS SIGNED BY NAME: ANDREW B. WHITLOCK

SAFE USE CATEGORY AND DESCRIPTION: 16 -GENERAL USE

MSDS CREATE DATE: 1985-01-01

LAST UPDATED DATE: 1993-10-26

MANUFACTURER'S ID (MID): 000539666

MANUFACTURER'S NAME: GUARDSMAN PRODUCTS INC

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 616-924-3950

MANUFACTURER'S MAILING ADDRESS:

ALSO SEE GMB# 514360 & 556365

411 N. DARLING

FREMONT MI 49412

US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/W	CHEMICAL NAME
000108112	< 0.0000/5.0000%	W	2-PENTANOL, 4-METHYL-
000111762	R 5.0000/ 20.0000%	W	ETHANOL, 2-BUTOXY-
000544605	R 1.0000/ 15.0000%	W	9-OCTADECENOIC ACID (Z)-, AMMONIUM SALT
007732185	B 0.0000/0.0000%	W	WATER
008030306	R 35.0000/ 50.0000%	W	BENZIN
068476868	R 1.0000/ 15.0000%	W	Petroleum gases, liquefied, sweete ned

THRESHOLD LIMIT VALUE: ETHANOL, 2-BUTOXY-BUTYL CELLOSOLVE: 25 PPM;
NAPHTHA (AROMATIC SOLVENT BLEND): 100 PPM; 2-PENTANOL, 4-METHYL-:
25 PPM; PETROLEUM PRODUCTS, LIQUIFIED GAS, SWEETENED: 800 PPM

PERMISSIBLE EXPOSURE LIMIT: ETHANOL, 2-BUTOXY-BUTYL CELLOSOLVE: 25
PPM; NAPHTHA (AROMATIC SOLVENT BLEND): 100 PPM; 2-PENTANOL, 4-
METHYL-: 25 PPM; PETROLEUM PRODUCTS, LIQUIFIED GAS, SWEETENED:
1000 PPM

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 = N

EFFECTS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA FROM INHALA-
TION OF VAPORS; SKIN AND EYE IRRITATION.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: REMOVE CONTAMINATED CLOTH-
ING 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 PHYSI-
CIAN IMMEDIATELY.

EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING,
CONTACT PHYSICIAN IMMEDIATELY.

SECTION 4 - OTHER INFORMATION:

CHRONIC HAZARDS: HEALTH STUDIES HAVE SHOWN THAT MANY CHEMICALS
POSE HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PER-
SON. PROLONGED OVEREXPOSURES TO OTHER COMPONENTS IN THIS
PRODUCT MAY CAUSE A TRANSIENT DECREASE IN RED BLOOD CELL
COUNT, AND INCREASED FRAGILITY OF RED BLOOD CELLS. AS A PRECAU-
TION, EXPOSURE TO LIQUIDS, VAPORS, MISTS, OR FUMES SHOULD BE
MINIMIZED.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: ND 0.00

FLAMMABLE UEL: ND 0.00

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CO2(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: AEROSOL CONTAINERS MAY BURST
WHEN EXPOSED TO TEMPERATURES IN EXCESS OF 120 F.

HMIS CODES:

HMIS REACTIVITY CODE = 0

HMIS HEALTH CODE = 2

HMIS FLAMMABILITY CODE = 2

AUTO-IGNITION TEXT: NOT DETERMINED

FLASH POINT TEXT: FLAMMABLE AEROSOL.

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: **DANGER!! LEAKING AEROSOLS ARE AN
EXTREME FIRE AND EXPLOSION HAZARD** REMOVE ALL POSSIBLE IGNI-
TION SOURCES, CHECK AREA WITH GAS DETECTOR. MOVE LEAKING CANS
OUTDOORS AND EMPTY INTO SUITABLE CONTAINER BY DEPRESSING
VALVE BUTTON.

SECTION 07: HANDLING AND STORAGE

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

SECTION 7 - OTHER INFORMATION:

AVOID BREATHING VAPORS OR MISTS; PROLONGED OR REPEATED SKIN CON-
TACT. INTENTIONAL CONCENTRATION AND INHALATION OF VAPORS MAY BE
HARMFUL OR FATAL.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: FACE SHIELD OR SAFETY GLASSES RECOMMENDED.

RESPIRATORY PROTECTION: USE SCBA OR NIOSH/MSHA APPROVED HYDRO-
CARBON VAPOR RESPIRATOR WHENEVER EXPOSURE LEVELS EXCEED
ESTABLISHED STANDARDS.

VENTILATION: MAINTAIN LEVEL BELOW LISTED STANDARDS.

PERSONAL PROTECTIVE EQUIPMENT: NONE REQUIRED IN NORMAL USE.

WORKPLACE/HYGIENIC PRACTICES: BASIC GOOD HOUSEKEEPING.

PROTECTIVE GLOVES (SPECIFY TYPE): AWAITING GLOVE INFO CHEMICAL
RESISTANT.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: AWAITING VOC INFO

BOILING POINT TEMPS: = 212.00F

BOILING POINT TEXT: IBP

SPECIFIC GRAVITY VALUES: = 0.9200

VAPOR DENSITY TEXT: NOT DETERMINED

VAPOR PRESSURE VALUES/UOM: < 1.0000MMHG

PERCENT VOLATILE BY WEIGHT TEXT: VOLUME NOT DETERMINED

SOLUBILITY IN WATER TEXT: NIL

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

APPEARANCE: AMBER LIQUID

ODOR: PETROLEUM ODOR.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: HEAT, SPARKS, OPEN FLAME.

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS LIKE CHLORINE OR CON-
CENTRATED CARBON DIOXIDE. // WATER REACTIVE: NO.

HAZARDOUS DECOMPOSITION PRODUCTS: VARIOUS OXIDES OF CARBON.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: NONE KNOWN.

HAZARDOUS POLYMERIZATION TEXT: NO.

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: COMPLY WITH ALL APPLICABLE REGULATIONS.

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SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME: CONSUMER COMMODITY.

HAZARD CLASS: ORM-D.

SECTION 14 - OTHER INFORMATION:

DOT ID NUMBER: NONE.

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION:

SARA III - SECTION 313 TOXIC CHEMICAL: ETHANOL, 2-BUTOXY-

SECTION 16: OTHER INFORMATION

LABEL INFORMATION: PRECAUTIONARY LABEL: NOT REQUIRED.

SECTION 16 - OTHER INFORMATION:

PACKING GROUP: NA.; IMO/IATA ID NUMBER: UN1950 / UN1950.; IMO/IATA HAZ-
ARD CLASS: 9 / 2.1.; IMO SHIPPING NAME: AEROSOLS. IATA SHIPPING
NAME: AEROSOLS, FLAMMABLE, N.O.S. (PROPANE/ISOBUTANE).; INO PRE-
CAUTIONARY LABEL.: AEROSOLS STATEMENT.; IATA PRECAUTIONARY
LABEL: FL AMMABLE GAS DIAMOND.; IMO/IATA PACKING GROUP: II / NO
IATA PACKING GROUP ASSIGNED. INO PAGE NUMBER: 9022. MARINE POL-
LUTANT: NO.

LOCAL EXHAUST: YES. RATE: >60 FPM.

SPECIAL PROTECTION (MECHANICAL): NO4.