

# General Motors Corporation

## Material Safety Data Sheet

September, 1999

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**SECTION 01: CHEMICAL PRODUCT & COMPANY ID**TRADENAME: **CHOKE CLEANER**

12345109

MSDS SIGNED BY NAME: DOUGLAS J. STEINKE.

MSDS SIGNED BY TITLE: R &amp; D MANAGER.

SAFE USE CATEGORY AND DESCRIPTION: 02 - SOLVENTS - FLASH POINT: &lt; 100 F

MSDS CREATE DATE: 1985-01-01

LAST UPDATED DATE: 1991-01-24

MANUFACTURER'S ID (MID): 000507002

MANUFACTURER'S NAME: ACCRA PAC INC

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 219-295-0000

MANUFACTURER'S MAILING ADDRESS:

2730 MIDDLEBURY ST, P.O. BOX 878

ALSO SEE GMBA #550303

ELKHART IN 46540

US

CHEMICAL FAMILY NAME: AROMATIC BLEND

MOLECULAR FORMULA: N/A

**SECTION 02: COMPOSITION & INGREDIENT INFO**

CAS#	FORMULATION	W/W	CHEMICAL NAME
000067561	< 0.0000/5.0000%	N	METHANOL
000067630	< 0.0000/ 15.0000%	N	ISOPROPYL ALCOHOL
000067641	= 10.0000/0.0000%	N	ACETONE
000074986	= 10.0000/0.0000%	N	Propane
000078933	< 0.0000/ 15.0000%	N	2-BUTANONE
000111762	= 5.0000/0.0000%	N	ETHANOL, 2-BUTOXY-
001330207	< 0.0000/ 60.0000%	N	XYLENE

THRESHOLD LIMIT VALUE: ESTIMATED TLV: 950PPM.

PERMISSIBLE EXPOSURE LIMIT: XYLENE (#1330207): 100PPM. METHYL ETHYL KETONE (#78933): 200PPM. ACETONE (#67641): 750PPM. 2-BUTOXYETHANOL (#111762): 25PPM SKIN. METHANOL (#67561): 200PPM SKIN. ISOPROPANOL (#67630): 400PPM. PROPANE (#74986): 1000PPM.

**SECTION 03: HAZARDS IDENTIFICATION**

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 = N

PRIMARY ROUTES OF ENTRY TEXT: INHALATION, SKIN CONTACT, EYE CONTACT

EFFECTS OF OVEREXPOSURE: INGESTION: NOT LIKELY. AEROSOL PRODUCT.

INHALATION: VAPORS MAY CAUSE NAUSEA, HEADACHE, DIZZINESS AND IRRITATION OF RESPIRATORY TRACT. SKIN CONTACT: MAY CAUSE IRRITATION. EYE CONTACT: MAY CAUSE IRRITATION.

ADDITIONAL HEALTH HAZARD DATA: THE FOLLOWING CHEMICALS MAY BE SUBJECT TO REPORTING UNDER SEC. 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372. XYLENE (MIXED ISOMERS) (#1330207): <60%. NOTE: XYLENE CONTAINS <20% ETHYL BENZENE (#100414). 2-BUTOXYETHANOL (#111762): 5%. METHYL THYL KETONE (#78933): <15%. METHANOL (#67561): <5%. ACETONE (#67641): 10%.

**SECTION 04: FIRST AID MEASURES**

EMERGENCY FIRST AID PROCEDURES - GENERAL: INGESTION: NOT LIKELY.

AEROSOL PRODUCT. SKIN CONTACT: WASH WITH PLENTY OF SOAP AND WATER. INHALATION: REMOVE PERSON TO FRESH AIR. PROVIDE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IMMEDIATELY.

**SECTION 05: FIRE-FIGHTING MEASURES**

FLAMMABLE LEL: 2.50

FLAMMABLE UEL: 100.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING GEAR. COOL SEALED DRUMS WITH WATER SPRAY TO LESSEN CHANCE OF RUPTURE. DIRECT WATER JET MAY SPREAD FLAMES AND CAUSE FOAMING.

UNUSUAL FIRE AND EXPLOSION HAZARDS: PROLONGED EXPOSURE TO TEMPERATURES ABOVE 130F MAY CAUSE CANS TO BURST. MATERIAL IS EXTREMELY FLAMMABLE.

FLASH POINT TEXT: OF TCC

FLASH POINT METHOD: TCC

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: MATERIAL IS NOT LIKELY TO BE SPILLED (AEROSOL PRODUCT). SHOULD SUCH A SITUATION ARISE, ELIMINATE ALL SOURCES OF IGNITION. PERMIT ONLY PROPERLY PROTECTED WORKERS IN THE AREA, I.E., WITH SKIN/EYE PROTECTION AND SELF-CONTAINED BREATHING GEAR. ABSORB SMALL SPILLS WITH INERT ABSORBANT MATERIAL. PUMP LARGE SPILLS INTO A SALVAGE TANK. CONTACT STATE, LOCAL AND FEDERAL AGENCIES TO ENSURE COMPLIANCE WITH CURRENT REGULATIONS.

**SECTION 07: HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE CANS IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM ALL IGNITION SOURCES. PROLONGED EXPOSURE OF CANS TO ELEVATED TEMPERATURES MAY CAUSE CANS TO VENT, RUPTURE OR BURST.

**SECTION 7 - OTHER INFORMATION:**

STORE THIS AND ALL CHEMICALS OUT OF THE REACH OF CHILDREN.

**SECTION 08: EXPOSURE CONTROLS - PROTECTION**

EYE PROTECTION: CHEMICAL SPLASH GOGGLES.

RESPIRATORY PROTECTION: IF CONCENTRATIONS EXCEED PEL (SECTION 5-3) USE NIOSH/MESA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

PERSONAL PROTECTIVE EQUIPMENT: AS NEEDED TO ELIMINATE SKIN CONTACT.

**SECTION 8 - OTHER INFORMATION:**

NONE

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

**SECTION 09: PHYSICAL & CHEMICAL PROPERTIES**

ANALYTICAL VOC WITHOUT WATER: XYLENE, METHYL ETHYL KETONE, ACETONE, BUTYL GLYCOL, METHANOL, ISOPROPANOL, PROPANE.

THEORETICAL VOC WITHOUT WATER: XYLENE, METHYL ETHYL KETONE, ACETONE, BUTYL GLYCOL, METHANOL, ISOPROPANOL, PROPANE.

BOILING POINT TEMPS: 57.00C/ 135.00F

BOILING POINT TEXT: INITIAL: 135F

SPECIFIC GRAVITY VALUES: = 0.8400

SPECIFIC GRAVITY TEXT: =0.84 (GMS/MLT 0.84)

VAPOR DENSITY VALUES: &gt; 1.0000

VAPOR DENSITY TEXT: &gt;1 (AIR=1)

VAPOR PRESSURE TEXT: NO

PERCENT VOLATILE BY VOLUME: 100.0000

PERCENT VOLATILE BY VOLUME TEXT: 100

PERCENT SOLID BY WEIGHT TEXT: NA

EVAPORATION RATE TEXT: NA

SOLUBILITY IN WATER VALUES/UOM: 40.0000

SOLUBILITY IN WATER TEXT: 40%

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: NA

APPEARANCE: CONCENTRATE IS WHITE LIQUID WITH CHARACTERISTIC ODOR.

PHYSICAL STATE: LIQ

PHYSICAL STATE TEXT: LIQUID

**SECTION 10: STABILITY & REACTIVITY**

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: AVOID EXPOSURE OF CANS TO ELEVATED TEMPERATURES FOR PROLONGED PERIODS OF TIME.

STABILITY - TEXT: YES

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS: CO AND CO2 UPON INCOMPLETE COMBUSTION.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: NONE

HAZARDOUS POLYMERIZATION TEXT: NO

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**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: WASTE MUST BE DISPOSED OF ACCORDING TO LOCAL STATE AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

SHIPPING NAME: CONSUMER COMMODITY  
HAZARD CLASS: VORM - D CONSUMER COMMODITY

**SECTION 16: OTHER INFORMATION**

LOCAL EXHAUST: RECOMMENDED - TO A FIRE SAFE AREA.  
SPECIAL PROTECTION: NONE  
SPECIAL PROTECTION (MECHANICAL): NONE