

1FID: 00311595
VER DATE: 1994-09-14

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

DATE: 10/22/02
TIME: 19:02:24
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: PART #12346296 LOW GLOSS BLACK ENGINE
ENAMEL-AEROSOL

ALL SYNONYMS : ENGINE ENAMEL - LOW GLOSS BLACK
ENGINE ENAMEL - LOW-GLOSS BLACK
GOODWRENCH ENGINE ENAMEL
LOW GLOSS BLACK
LOW GLOSS BLACK AEROSOL 12345321
PART #12345321 LOW GLOSS BLACK AEROSOL (FORMER)
PART #12346296 LOW GLOSS BLACK ENAMEL-AEROSOL
PART #12346296 LOW GLOSS BLACK ENGINE ENAMEL-AEROSOL
12345321 LOW GLOSS BLACK AEROSOL
12346296
12346296 LOW GLOSS BLACK AEROSOL

MSDS SIGNED BY TITLE: TECHNICAL DIRECTOR

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

LAST UPDATED DATE: 1998-10-20

MANUFACTURER'S ID (MID): 000536735
MANUFACTURER'S NAME: ZYNOLYTE PRODUCTS COMPANY
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 213-513-0700
MANUFACTURER'S MAILING ADDRESS:

MEMBER OF GROW GROUP, INC.
2320 E. DOMINGUEZ STREET
CARSON CA 90749
US

CHEMICAL FAMILY NAME: RESIN: ALKYD; SOLVENT: KETONES, ALIPHATIC AND
AROMATIC; PIGMENT: CARBON BLACK AND SILICATES.

MOLECULAR FORMULA: PAINT BLEND

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000067641	R 20.0000/ 30.0000%	W	ACETONE
000074986	R 10.0000/ 20.0000%	W	PROPANE
000075285	R 12.0000/ 20.0000%	W	PROPANE, 2-METHYL-
000108883	R 10.0000/ 20.0000%	W	TOLUENE
001333864	R 0.0000/ 10.0000%	W	CARBON BLACK
014807966	R 1.0000/ 10.0000%	W	TALC (powder), containing no asbes tos fibers
064742898	R 15.0000/ 25.0000%	W	Solvent naphtha, petroleum, light aliph.
989973951	R 5.0000/ 15.0000%	W	ALKYD RESIN

THRESHOLD LIMIT VALUE: TLV NOT ESTABLISHED FOR 989973951, 64742-89-8,

74-98-6, 75-28-5, 1333-86-4, 14807-96-6.

SARA 313: (108883) AND (67641) ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR = Y
EYE PRIMARY ENTRY ROUTE INDICATOR = N
INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y
INGESTION PRIMARY ENTRY ROUTE INDICATOR = Y
PRIMARY ROUTES OF ENTRY TEXT: INHALATION, SKIN CONTACT, SWALLOWING.

EFFECTS OF OVEREXPOSURE: CHRONIC: REPORTS HAVE ASSOCIATED REPEATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

EFFECTS OF OVEREXPOSURE - SKIN ACUTE: PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF SKIN, WHICH MAY RESULT IN SKIN IRRITATION DERMATITIS.

EFFECTS OF OVEREXPOSURE - SKIN CHRONIC: CHRONIC: REPORTS HAVE ASSOCIATED REPEATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

EFFECTS OF OVEREXPOSURE - EYE ACUTE: SEVER IRRITANT.

EFFECTS OF OVEREXPOSURE - EYE CHRONIC: CHRONIC: REPORTS HAVE ASSOCIATED REPEATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

EFFECTS OF OVEREXPOSURE - INHALATION ACUTE: IRRITATION OF THE RESPIRATORY TRACT; HEADACHE, NAUSEA, DIZZINESS, WEAKNESS AND FATIGUE. EXTREME EXPOSURE CAN RESULT IN UNCONSCIOUSNESS AND EVEN RESPIRATORY ARREST.

EFFECTS OF OVEREXPOSURE - INHALATION CHRONIC: CHRONIC: REPORTS HAVE ASSOCIATED REPEATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

EFFECTS OF OVEREXPOSURE - INGESTION ACUTE: VOMITING MAY RESULT. PULMONARY ASPIRATION HAZARD IF VOMITING OCCURS.

EFFECTS OF OVEREXPOSURE - INGESTION CHRONIC: CHRONIC: REPORTS HAVE ASSOCIATED REPEATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE WHEN USED IN ACCORDANCE WITH SPECIAL PROTECTION INFORMATION (SECTION VIII).

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: WARNING: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

EMERGENCY FIRST AID PROCEDURES - SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE SOILED CLOTHING. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS. WASH CLOTHING BEFORE REUSE.

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.

EMERGENCY FIRST AID PROCEDURES - INHALATION: IF YOU EXPERIENCE DIFFICULTY IN BREATHING, LEAVE THE AREA TO OBTAIN FRESH AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, SUMMON MEDICAL ASSISTANCE IMMEDIATELY. IF BREATHING CEASES, RESTORE USING APPROVED CPR TECHNIQUES

AND SUMMON MEDICAL ASSISTANCE IMMEDIATELY.
EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING.
CONSULT A PHYSICIAN IMMEDIATELY. ASPIRATION OF VOMITUS CAN CAUSE
CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: = 1.00
FLAMMABLE UEL: = 13.00

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, OR OTHER (NFPA) APPROVED
METHOD FOR TREATING A CLASS B FIRE.

SPECIAL FIRE FIGHTING PROCEDURES: SUMMON PROFESSIONAL FIREFIGHTERS. USE
FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.
WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE
PREFERABLE. IF EXPOSED TO FIRE OR EXTREME HEAT, WATER IS USED, FOG
NOZZLES ARE PREFERABLE. IF EXPOSED TO FIRE OR EXTREME HEAT, WATER
SHOULD BE USED TO COOL CLOSED CONTAINERS AND PRECENT PRESSURE BUIL-UP
OR POSSIBLE AUTO-IGNITION.

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED.
ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND FLAME. VAPORS MAY
CAUSE FLASH FIRE. VAPORS MAY IGNITE EXPLOSIVELY. VAPORS MAY SPREAD LONG
DISTANCES AND BEYOND CLOSED DOORS. DUE TO PRESSURE BUILD-UP, CLOSED
CONTAINERS EXPOSED TO EXTREME HEAT MAY EXPLODE. NEVER USE A WELDING OR
CUTTING TORCH ON OR NEAR CONTAINER (EVEN EMPTY) AS PRODUCT OR ITS
RESIDUE MAY IGNITE. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO
DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE
IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

NFPA CODES:

NFPA FLAMMABILITY CODE =	4
NFPA HEALTH CODE =	3
NFPA REACTIVITY CODE =	1

NFPA SPECIAL HAZARD TEXT: NOT YET DETERMINED.

FLASH POINT TEMPS: = - 256.00F
FLASH POINT METHOD: TCC

SECTION 5 - OTHER INFORMATION: NFPA NOT YET DETERMINED. THERMAL
DECOMPOSITION MAY YIELD CARBON MONOXIDE AND CARBON DIOXIDE.

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT
SURFACES, AND ELECTRICAL, STATIC OR FRICTIONAL SPARKS). DO NOT SMOKE.
PREVENT BREATHING VAPORS. VENTILATE AREA. BEFORE ATTEMPTING CLEAN-UP,
REFER TO HAZARD CAUTION INFORMATION IN OTHER SECTIONS OF THIS MATERIAL
SAFETY DATA FORM. DIKE AND CONTAIN SPILLED MATERIAL AND REMOVE WITH
INERT ABSORBENT AND NON-SPARKING TOOLS. STORE IN CLOSED CONTAINER UNTIL
PROPERLY DISPOSED OF.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM HEAT,
SPARKS AND FLAME. DO NOT SMOKE. EXTINGUISH ALL PILOT LIGHTS AND TURN
OFF ALL SOURCES OF IGNITION INCLUDING HEATERS, FANS AND OTHER
NON-EXPLOSION-PROOF ELECTRICAL EQUIPMENT, DURING USE AND UNTIL ALL
VAPORS ARE GONE. VAPORS MAY IGNITE EXPLOSIVELY. VAPORS MAY SPREAD LONG
DISTANCES AND BEYOND CLOSED DOORS. PREVENT BUILD-UP OF VAPORS BY
MAINTAINING CONTINUOUS FLOW OF FRESH AIR. DO NOT STORE ABOVE 120F OR
NEAR FIRE OR OPEN FLAME. STORE LARGE QUANTITIES IN BUILDINGS TO COMPLY
WITH OSHA 1910.106. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT
TRANSFER CONTENTS TO BOTTLES OR OTHER UNLABELED CONTAINERS. DO NOT
REUSE EMPTY CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SOLVENT RESISTANT SAFETY EYEWEAR WITH SPLASH GUARDS.

SKIN PROTECTION: SOLVENT IMPERMEABLE CLOTHING TO PREVENT SKIN CONTACT.

RESPIRATORY PROTECTION: WHEN USED IN RESTRICTED VENTILATION AREAS, WEAR
NIOSH/MSHA APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A
COMBINATION OF PARTICULATES AND VAPOR. WHEN USED IN CONFINED AREAS,
WEAR NIOSH/MSHA APPROVED AIR SUPPLY RESPIRATORS OR HOODS. FOLLOW
RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. IF RESPIRATORS
ARE USED, A PROGRAM SHOULD BE ESTABLISHED TO ASSURE COMPLIANCE WITH
OSHA STANDARD 29 CFR 1910.134.

VENTILATION: USE ONLY WITH ADEQUATE VENTILATION. USE EITHER LOCAL
EXHAUST OR MECHANICAL TO MEET TLV REQUIREMENTS. VENTILATION MUST BE
SUFFICIENT TO LIMIT EMPLOYEE EXPOSURE AT, OR BELOW, APPLICABLE HEALTH
AND SAFETY STANDARDS. HEAVY SOLVENT VAPORS SHOULD BE REMOVED FROM LOWER
LEVELS OF WORK AREA.

PROTECTIVE GLOVES (SPECIFY TYPE): NEOPRENE OR EQUIVALENT.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

ANALYTICAL VOC WITHOUT WATER: 5.75 BY

BOILING POINT TEMPS: R - 43.00F TO 232.00F

SPECIFIC GRAVITY VALUES: = 0.6800

SPECIFIC GRAVITY TEXT: H2O=1

VAPOR DENSITY TEXT: AIR=1; HEAVIER THAN AIR.

VAPOR PRESSURE VALUES/UOM: R 55.0000- 60.0000 PSIA

VAPOR PRESSURE TEXT: AT 75F.

PERCENT VOLATILE BY VOLUME: = 88.0000

PERCENT SOLID BY WEIGHT VALUES: = 10.9000

EVAPORATION RATE TEXT: ETHER=1; 1.8-2.0.

PH OF PRODUCT AS RECEIVED (NEAT)/TEXT: NOT APPLICABLE

APPEARANCE: BLACK COLORED LIQUID

ODOR: PAINT ODOR

PHYSICAL STATE: LIQ

SECTION 9 - OTHER INFORMATION: VOC (AS PACKAGED, MINUS WATER)=100%.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

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

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: NOT APPLICABLE

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: THIS PRODUCT IS NOT LISTED AS A CARCINOGEN IN NTP, OSHA, OR IARC.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATE ONLY IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME: PAINT RELATED MATERIAL

HAZARD CLASS: FLAMMABLE LIQUID

U.N. CODE: UN1263

SECTION 15: REGULATORY INFORMATION

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

SECTION 15 - OTHER INFORMATION: ONE POUND OR REFER TO SECTION 311 CLEAN WATER ACT.

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: (40CFR 261.33); F-005 NOTE: NUMBER

APPLIES TO THINNER BLEND ONLY.

SPECIAL PROTECTION (MECHANICAL): EYE BATH AND SAFETY SHOWER.

SAFE USE CATEGORY AND DESCRIPTION :

02 SOLVENTS - FLASH POINT: < 100 F

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

CAS#: 000067641 ACETONE

REG:

0001,0003,0006,0012,0014,0016,0017,0019,0020,0023,0031,0032
0034,0037,0038,0039,0048,0053,0056,0058,0061,0063,0065,0068
0069,0070,0084,0087,0089,0091,0104,0109,0122,0123

CAS#: 000074986 PROPANE

REG:

0001,0003,0012,0017,0019,0020,0032,0034,0038,0039,0056,0061
0065,0070,0082,0103

CAS#: 000075285 PROPANE, 2-METHYL-

REG:

0012,0019,0020,0061,0065,0070,0082,0103

CAS#: 000108883 TOLUENE

REG:

0003,0004,0006,0007,0008,0009,0010,0011,0012,0014,0015,0016
0017,0019,0020,0021,0023,0031,0032,0034,0036,0037,0038,0039
0042,0047,0048,0050,0056,0058,0059,0061,0063,0064,0065,0066
0068,0070,0078,0083,0084,0088,0089,0091,0104,0105,0106,0109
0123

HHS:

REFER TO THE APPROPRIATE SAFE USE INSTRUCTIONS FOR HEALTH HAZARD
INFORMATION.

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#: 014807966 TALC (powder), containing no asbestos fibers

REG:

0003,0004,0012,0017,0032,0038,0039,0061,0063,0065

HHS:

REFER TO THE APPROPRIATE SAFE USE INSTRUCTION FOR HEALTH HAZARD
INFORMATION.

CAS#: 064742898 Solvent naphtha, petroleum, light aliph.

REG:

0012,0098

REG BY CATEGORY:

0122

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:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE

GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
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