

1FID: 00311600
VER DATE: 1994-09-14

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

DATE: 10/22/02
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SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: PART #12345325 CORPORATE BLUE ENGINE
ENAMEL-AEROSOL

ALL SYNONYMS : CORPORATE BLUE
CORPORATE BLUE ENGINE ENAMEL AEROSOL 12345325
ENGINE ENAMEL - CORPORATE BLUE
ENGINE ENAMEL AEROSOL CORPORATE BLUE 12345325
GOODWRENCH ENGINE ENAMEL
PART #12345325 CORPORATE BLUE ENGINE ENAMEL-AEROSOL
12345325 CORPORATE BLUE ENGINE ENAMEL AEROSOL
12346300

MSDS SIGNED BY TITLE: TECHNICAL DIRECTOR

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

LAST UPDATED DATE: 1994-09-14

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: VINYL-TOLUENATED ALKYD; SOLVENT: KETONES,
ALIPHATIC & AROMATIC HYDROCARBONS: PIGMENT: TITANIUM DIOXIDE, PHTHALO
BLUE

MOLECULAR FORMULA: PAINT BLEND

SECTION 1 - OTHER INFORMATION: MANUFACTURERS DUNS NO.: 000-835-4839

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000067641	R 20.0000/ 30.0000%	W	ACETONE
000074986	R 10.0000/ 15.0000%	W	PROPANE
000075285	R 10.0000/ 15.0000%	W	PROPANE, 2-METHYL-
000108883	R 10.0000/ 20.0000%	W	TOLUENE
000147148	R 1.0000/ 10.0000%	W	Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-
013463677	R 1.0000/ 10.0000%	W	TITANIUM OXIDE
064742898	R 10.0000/ 20.0000%	W	Solvent naphtha, petroleum, light aliph.
989923032	R 10.0000/ 20.0000%	W	VINYL TOLUENATED ALKYD RESIN

SECTION 2 - OTHER INFORMATION: AWAITING NARROWER INGREDIENT RANGES FROM

MANUFACTURER. VENDOR: LIGHT ALIPHATIC PETROLEUM DISTILLATE: 300 PPM;
TOLUOL: 100 PPM; ACETONE (2-PROPANONE): 1000 PPM; PROPANE: 1000 PPM;
ISOBUTANE: 1000 PPM

THRESHOLD LIMIT VALUE: LIGHT ALIPHATIC PETROLEUM DISTILLATE: 300 PPM;
TOLUOL: 50 PPM, 150 PPM ACETONE (2-PROPANONE): 750 PPM, 1000 STEL;
PROPANE: 1000 PPM; ISOBUTANE: 1000 PPM; XYLOL: 100 PPM, 150 STEL;
TITANIUM DIOXIDE PIGMENT: 10.0 MG/M3

PERMISSIBLE EXPOSURE LIMIT: LIGHT ALIPHATIC PETROLEUM DISTILLATE: 300
PPM; ACETONE (2-PROPANONE): 750 PPM; PROPANE: 1000 PPM; ISOBUTANE: 1000
PPM; XYLOL: 100 PPM,; TOLUOL: 100 PPM

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): ONE POUND OR REFER TO
SECTION 311 CLEAN WATER ACT.

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 =	Y

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

EFFECTS OF OVEREXPOSURE - EYE ACUTE: SEVERE IRRITANT.

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

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

SECTION 04: FIRST AID MEASURES

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 4 - OTHER INFORMATION: WARNING: INTENTIONAL MISUSE BY
DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR
FATAL.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: = 1.00
FLAMMABLE UEL: = 13.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM OR OTHER NATIONAL FIRE PROTECTION ASSOCIATION (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 SHOULD BE USED TO COOL CLOSED CONTAINERS AND PREVENT PRESSURE BUILD-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

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

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 OR 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 120 F 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 CONTAINER. DO NOT REUSE
EMPTY CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SOLVENT RESISTANT SAFETY EYE WEAR WITH SPLASH GUARDS.

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.

PERSONAL PROTECTIVE EQUIPMENT: EYE BATH AND SAFETY SHOWER. SOLVENT
IMPERMEABLE CLOTHING TO PREVENT SKIN CONTACT.

PROTECTIVE GLOVES (SPECIFY TYPE): NEOPRENE OR EQUIVALENT

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: VOLATILE ORGANIC COMPOUND: 100%;
THEORETICAL: NOT AVAILABLE; ANALYTICAL: 5.83 LB/GAL

BOILING POINT TEMPS: R - 43.00F TO 279.00F

SPECIFIC GRAVITY VALUES: = 0.7400

VAPOR DENSITY TEXT: HEAVIER THAN AIR.

VAPOR PRESSURE VALUES/UOM: R 55.0000- 60.0000 PSI

PERCENT VOLATILE BY VOLUME: = 91.5000
PERCENT VOLATILE BY WEIGHT TEXT: BY VOLUME
PERCENT SOLID BY WEIGHT VALUES: = 13.5000

EVAPORATION RATE VALUES: = 1.90
EVAPORATION RATE TEXT: ETHER=1

SOLUBILITY IN WATER VALUES/UOM: = 0.0100

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

APPEARANCE: BLUE COLORED LIQUID WITH PAINT ODOR.

PHYSICAL STATE: LIQ

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

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

STABILITY - TEXT: STABLE

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

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

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

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

DOT INFORMATION: HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME,
HAZARD CLASS ID NO.: PAINT RELATED MATERIAL UN-1263; ADDITIONAL HAZARD
CLASSES: FLAMMABLE LIQUID

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: TOLUOL, XYLOL, ACETONE (2-PROPANONE):
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE
III AND OF 40 CFR 372.

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: D001, F-005 NOTE: NUMBER APPLIES TO
THINNER BLEND ONLY.

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#: 000147148 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-

REG:

0011,0012,0023,0065

REG BY CATEGORY:

0008,0034,0088,0109,0118

CAS#: 013463677 TITANIUM OXIDE

REG:

0001,0003,0012,0023,0031,0032,0038,0039,0056,0061,0063,0065
0084

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

REG:

0012,0098

REG BY CATEGORY:

0122

CAS#: 989923032 VINYL TOLUENATED ALKYD RESIN

REG:

0011

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

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