

MSDS DATA SHEET

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Part Number: 12345323

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CHEMISTRI 10/06/03
DISPLAY MATERIAL SAFETY DATA SHEET 16:01:50
SCREEN QA06__ KEY 0000939729,0000000018
FID#: 00203625 VER-DT: 12/05/89

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: SILVER ENGINE ENAMEL AEROSOL
PLANT SYNONYMS: ENGINE ENAMEL SILVER
> GOODWRENCH ENGINE ENAMEL SILVER
> 12345323

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

LAST UPDATED DATE: 1991-03-27

MANUFACTURER'S ID (MID): 000537100
MANUFACTURER'S NAME: GROWCO INC, DIV OF GROW GROUP INC
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 813-247-3161
MANUFACTURER'S MAILING ADDRESS:
TAMPA FL 33605
US

CHEMICAL FAMILY NAME: AEROSOL PAINT

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000074986	< 0.0000/ 30.0000%	W	Propane
000075285	< 0.0000/ 30.0000%	W	PROPANE, 2-METHYL-
000078933	= 5.0000/ 0.0000%	W	2-BUTANONE
000108883	= 30.0000/ 0.0000%	W	TOLUENE
000141786	< 0.0000/ 5.0000%	W	ACETIC ACID, ETHYL ESTER
007429905	< 0.0000/ 5.0000%	W	Aluminum
064742887	< 0.0000/ 5.0000%	W	Solvent naphtha, petroleum, medium
064742898	< 0.0000/ 5.0000%	W	Solvent naphtha, petroleum, light
*			aliph.

THRESHOLD LIMIT VALUE: PROPANE/ISOBUTANE PROPELLANT #74986 AND #75285:
1000 PPM, 1800 MG/M3. TOLUENE #108883: 100 PPM, 377 MG/M3. MEK #78933:
200 PPM, 590 MG/M3. ETHYL ACETATE #141786: 400 PPM, 1400 MG/M3.
ALUMINUM POWDER #7429905: 10 MG/M3. VM&P NAPHTHA #64742898: 300 PPM,
1350 MG/M3. MINERAL SPIRITS #64742887: 100 PPM, 525 MG/M3.

PERMISSIBLE EXPOSURE LIMIT: PROPANE/ISOBUTANE PROPELLANT: 1000 PPM,
1800 MG/M3. TOLUENE: 100 PPM, 375 MG/M3. MEK: 200 PPM, 590 MG/M3. ETHYL
ACETATE: 400 PPM, 1400 MG/M3. ALUMINUM POWDER: 15 MG/M3. VM&P NAPHTHA:
500 PPM, 2000 MG/M3. MINERAL SPIRITS: 100 PPM, 525 MG/M3.

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): TOLUENE #108883, MEK
#78933 AND ETHYL ACETATE #141786 (CERCLA 103(A)).

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:
SKIN PRIMARY ENTRY ROUTE INDICATOR =

N

EYE PRIMARY ENTRY ROUTE INDICATOR = N
INHALATION PRIMARY ENTRY ROUTE INDICATOR = N
INGESTION PRIMARY ENTRY ROUTE INDICATOR = N
PRIMARY ROUTES OF ENTRY TEXT: BREATHING, SWALLOWING

EFFECTS OF OVEREXPOSURE: ACUTE: BREATHING: IRRITATION OF THE RESPIRATORY TRACT; MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE, NAUSEA, WEAKNESS AND FATIGUE. EXTREME EXPOSURE CAN RESULT IN UNCONSCIOUSNESS AND EVEN RESPIRATORY ARREST. SKIN OR EYE CONTACT: CAUSES EYE AND SKIN IRRITATION. SWALLOWING: CAN CAUSE STOMACH AND/OR INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF VOMITUS CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL. CHRONIC: OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. PROLONGED AND REPEATED BREATHING OF SPRAY MIST AND/OR SANDING DUST OVER A PERIOD OF YEARS MAY CAUSE DUST DISEASE OF THE LUNGS. MEDICAL CONDITIONS PRONE TO AGGRAVATION: NONE WHEN USED IN ACCORDANCE WITH SAFE HANDLING AND USE INFORMATION. (SEE SECTION 8)

ADDITIONAL HEALTH HAZARD DATA: WARNING: THIS PRODUCT MAY CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. HMIS RATING: HEALTH=1, FIRE=4, REACTIVITY=1. SARA 313: TOLUENE #108883, MEK #78933 AND ALUMINUM POWDER #7429905.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: IF BREATHED: IF YOU IF CONTINUED DIFFICULTY IS EXPERIENCED, SUMMON MEDICAL ASSISTANCE IMMEDIATELY. IF BREATHING CEASES, RESTORE USING APPROVED CPR TECHNIQUES AND SUMMON MEDICAL ASSISTANCE IMMEDIATELY. IF IN EYES: IN CASE O EYE CONTACT, FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE. IF ON SKIN: IN CASE OF SKIN CONTACT, WASH AREA THOROUGHLY WITH SOAP AND WATER. REMOVE SOILED CLOTHING. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS. IF SWALLOWED: DO NOT INDUCE VOMITING. CONSUL PHYSICIAN IMMEDIATELY. ASPIRATION OF VOMITUS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. WARNING: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: = 986.00

EXTINGUISHING MEDIA: IN CASE OF FIRE USE CO2, 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 BUI D-UP OR POSSIBLE AUTOIGNITION.

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 SPREAK LONG DISTANCES AND BEYOND CLOSED DOORS. DUE TO PRESSURE BUILD-UP, CLOSED CONTAINERS EXPOSED TO EXTREME HEAT MAY EXPLODE. NEVER USE A WELDING OR 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: = - 156.00F

FLASH POINT TEXT: -156F SETAFLASH

FLASH POINT METHOD: SETA

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT AVOID BREATHING VAPORS. BEFORE ATTEMPTING CLEAN-UP, REFER TO HAZARD CAUTION INFORMATION IN OTHER SECTIONS OF THIS MATERIAL SAFETY DATA FORM. VENTILATE AREA. CONTAIN SPILLED MATERIA 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, SPARKSS 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 DIST NCES AND BEYOND CLOSED DOORS. PREVENT BUILD-UP OF VAPORS BY MAINTAINING CONTINUOUS FLOW OF FRESH AIR. DANGER: EXTREMELY FLAMMABLE. EXPOSURE TO SUN MAY CAUSE BURSTING. DO NOT PUNCTURE OR INCINERATE (BURN). DO NOT PLACE IN GA BAGE COMPACTORS. DO NOT STORE ABOVE 120F OR NEAR FIRE OR OPEN FLAME. STORE LARGE QUANTITIES IN BUIDINGS TO COMPLY WITH OSHA 1910.106. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT TRANSFER CONTENTS TO BOTTLES OR OTHER UNLABELD CONTAINERS. DO NOT REUSE EMPTY CONTAINERS. KEEP OUT OF REACH OF CH LDREN.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: DO NOT GET IN EYES. SOLVENT RESISTANT SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDESHIELDS IS RECOMMENDED TO PREVENT CONTACT.

RESPIRATORY PROTECTION: DO NOT BREATHE VAPORS, SPRAY MIST OR SANDING DUST. WHEN SPRAY APPLIED IN OUTDOOR OR OPEN AREAS WITH UNRESTRICTED VENTILATION, AND DURING SANDING OR GRINDING OPERATIONS, USE NIOSH/MSHA PARTICLES OF OVERSPRAY AND SANDING DUST. 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. USE NIOSH/MSHA APPROVED RESPIRATORS WHEN CUTTING, WELDING, BRAZING AND SANDING MATERIAL COATED WITH THIS PRODUCT. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE.

PERSONAL PROTECTIVE EQUIPMENT: DO NOT GET ON SKIN. SOLVENT IMPERMEABLE CLOTHING AND BOOTS TO PREVENT CONTACT ARE RECOMMENDED. HYGIENIC PRACTICES: REMOVE AND WASH SOILED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING OR USING THE WASHROOM.

PROTECTIVE GLOVES (SPECIFY TYPE): DO NOT GET ON SKIN. SOLVENT IMPERMEABLE GLOVES TO PREVENT CONTACT ARE RECOMMENDED.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

ANALYTICAL VOC: 5.80 BY

ANALYTICAL VOC WITHOUT WATER: 5.8 LBS/GAL (-WATER)

BOILING POINT TEMPS: R - 44.00F TO 390.00F

BOILING POINT TEXT: 4 -44-390F

SPECIFIC GRAVITY VALUES: = 7.4900

SPECIFIC GRAVITY TEXT: =7.49

VAPOR DENSITY TEXT: HEAVIER THAN AIR

VAPOR PRESSURE VALUES/UOM: = 986.0000PSIG

VAPOR PRESSURE TEXT: PROPANE/ISOBUTANE #74986 AND #75285: 87 PSIG @70F.

TOLUENE #108883: 22 MMHG @68F. MEK #78933: 78 MMHG @68F. ETHYL ACETATE

SPIRITS #64742887: 2.0 MMHG @68F.

PERCENT VOLATILE BY VOLUME: = 92.5000

PERCENT VOLATILE BY VOLUME TEXT: 92.5

EVAPORATION RATE TEXT: FASTER THAN ETHER (PROPELLANT); SLOWER THAN ETHER (REMAINING INGREDIENTS).

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - TEXT: YES

INCOMPATIBLE MATERIALS: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF METALS LISTED IN SECTION 2.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: NO

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 16: OTHER INFORMATION

DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP AIR CONTAMINANT CONCENTRATION BELOW CURRENT APPLICABLE SAFETY AND HEALTH STANDARDS IN THE MIXING, APPLICATION AND CURING AREAS, AND TO REMOVE SANDING DUSTS OF DRIED COATING AND D COMPOSITION PRODUCT DURING WELDING AND FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT. HEAVY SOLVENT VAPORS SHOULD BE REMOVED FROM LOWER LEVELS OF THE WORK AREA AND ALL IGNITION SOURCES SHOULD BE ELIMINATED.

*** END OF DATA SHEET ***

