

MSDS DATA SHEET

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CHEMISTRI 11/17/03

DISPLAY MATERIAL SAFETY DATA SHEET 11:20:19

SCREEN QA06__ KEY 0000947992,0000000018_____

FID#: 00318615 VER-DT: 04/02/97

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: GRAPHITE DRY FILM LUBE

SAFE USE CATEGORY AND DESCRIPTION: 52 -AEROSOLS FLAMMABLE SOLVENT BASED

LAST UPDATED DATE: 1998-04-02

MANUFACTURER'S ID (MID): 000539666
MANUFACTURER'S NAME: GUARDSMAN PRODUCTS INC
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 231-924-3950
MANUFACTURER'S MAILING ADDRESS:
ALSO SEE GMBA #556365
411 N. DARLING
FREMONT MI 49412

SECTION 1 - OTHER INFORMATION: PREPARED BY: J. TAYLOR.

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000067630	R 1.0000/ 15.0000%	W	ISOPROPYL ALCOHOL
000078933	R 1.0000/ 15.0000%	W	2-BUTANONE
000108883	R 45.0000/ 60.0000%	W	TOLUENE
007782425	R 15.0000/ 25.0000%	W	GRAPHITE
068476868	R 10.0000/ 20.0000%	W	Petroleum gases, liquefied, sweete * ned
989972261	< 0.0000/ 2.0000%	W	ACRYLIC RESIN

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 = Y

PRIMARY ROUTES OF ENTRY TEXT: ORAL: NO, INHALATION: YES, SKIN ABSORB.: NO.

EFFECTS OF OVEREXPOSURE - SKIN: SIGNS AND SYMPTOMS OF EXPOSURE:
IRRITATION OF SKIN.

EFFECTS OF OVEREXPOSURE - EYE: SIGNS AND SYMPTOMS OF EXPOSURE:
IRRITATION OF EYES.

EFFECTS OF OVEREXPOSURE - INHALATION: SIGNS AND SYMPTOMS OF EXPOSURE:
IRRITATION OF RESPIRATORY TRACT.

ADDITIONAL HEALTH HAZARD DATA: SIGNS AND SYMPTOMS OF EXPOSURE:
THAT MANY PETROLEUM HYDROCARBONS POSE HUMAN HEALTH RISKS THAT MAY VARY FROM PERSON TO PERSON. PROLONGED OR REPEATED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATE CONCENTRATION AND INHALATION

MAY BE HARMFUL OR FATAL. AS A PRECAUTION, EXPOSURE TO LIQUIDS OR VAPORS SHOULD BE MINIMIZED.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: REMOVE CONTAMINATED CLOTHING 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 EYE SURFACE. CONTACT PHYSICIAN.
EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR AT ONCE. APPLY ARTIFICIAL RESPIRATION IF NECESSARY, CONTACT PHYSICIAN
EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING. CONTACT PHYSICIAN IMMEDIATELY. INGESTION CAN BE FATAL.

SECTION 05: FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: USE SELF CONTAINED BREATHING APPARATUS. WATER IS NOT SUITABLE AS AN EXTINGUISHING MEDIA, BUT MAY BE USEFUL FOR COOLING NEARBY CONTAINERS. EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE.

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

NFPA CODES:

NFPA FLAMMABILITY CODE = 3

NFPA HEALTH CODE = 2

NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: NOT DETERMINED.

FLASH POINT TEMPS: = 31.00F

FLASH POINT TEXT: DATA BASED ON NON-AEROSOL PRODUCT CONCENTRATE.

FLASH POINT METHOD: TCC

FLASH POINT METHOD TEXT: TAGLIABUE CLOSED CUP.

SECTION 5 - OTHER INFORMATION: FLAMMABLE LIMITS, LEL, UEL: NOT DETERMINED. FLAME EXTENSION: > 18 INCHES. FLASHBACK: YES. HMIS RATING: DATA BASED ON NON-AEROSOL PRODUCT CONCENTRATE. HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION WILL PRODUCE SMOKE, FUMES, CARBON MONOXIDE AND

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: DANGER! LEAKING AEROSOLS ARE AN EXTREME FIRE AND EXPLOSION HAZARD! REMOVE IGNITION SOURCES, CHECK AREA WITH GAS DETECTOR. MOVE LEAKING CANS OUTDOORS AND EMPTY INTO SUITABLE CONTAINER BY DEPRESSING VALVE BUTTON. SMALL LIQUID SPILLS MAY BE TAKEN UP WITH ABSORBENT MATERIAL.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT USE OR STORE NEAR OPEN FLAME OR STRONG OXIDIZERS. AVOID BREATHING VAPORS OR MISTS; PROLONGED OR REPEATED SKIN

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: FACE SHIELD OR SAFETY GLASSES RECOMMENDED.

SKIN PROTECTION: OTHER CLOTHING: NONE REQUIRED IN NORMAL USE.

RESPIRATORY PROTECTION: NONE REQUIRED IN NORMAL USE, BUT AN EFFECTIVE, NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE USED AT ANY TIME WHEN VAPOR CONCENTRATIONS EXCEED ESTABLISHED STANDARDS.

ENGINEERING CONTROLS: VENTILATION TYPE REQUIRED: ADEQUATE TO MAINTAIN LEVEL BELOW ESTABLISHED STANDARDS. LOCAL EXHAUST: YES, RATE: > 60 FEET PER MINUTE, FACE VELOCITY, MECH. (GENERAL): NO. (RECOMMENDED BUT NOT REQUIRED).

WORKPLACE/HYGIENIC PRACTICES: WORK/HYGIENIC PRACTICES: BASIC GOOD HOUSEKEEPING. WASH HANDS BEFORE EATING OR SMOKING. SMOKE ONLY IN DESIGNATED AREAS.

PROTECTIVE GLOVES (SPECIFY TYPE): CHEMICAL RESISTANT.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEMPS: = 178.00F

SPECIFIC GRAVITY VALUES: = 0.8500

VAPOR DENSITY VALUES: > 1.0000

VAPOR DENSITY TEXT: (AIR = 1)

VAPOR PRESSURE TEXT: NOT DETERMINED.

PERCENT VOLATILE BY VOLUME: > 85.0000

SOLUBILITY IN WATER TEXT: WATER SOLUBLE: NO.

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

APPEARANCE: SIMILAR TO BLACK PAINT.

ODOR: STRONG SOLVENT ODOR.

PHYSICAL STATE: LIQ

SECTION 9 - OTHER INFORMATION: WATER REACTIVE: NO.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

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

INCOMPATIBILITY: STRONG OXIDIZERS LIKE CHLORINE OR CONCENTRATED OXYGEN.

WATER REACTIVE: NO.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION WILL PRODUCE SMOKE, FUMES, CARBON MONOXIDE AND OTHER UNDETERMINED COMPOUNDS.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: CONDITIONS TO AVOID: NONE KNOWN.

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: NATIONAL TOXICOLOGY PROGRAM, INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, AMERICAN CONFERENCE OF GOVERNMENTAL HYGIENISTS: NO.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: COMPLY WITH ALL APPLICABLE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: DOT ID NUMBER: NONE, DOT HAZARD CLASS: ORM-D, DOT SHIPPING NAME: CONSUMER COMMODITY, DOT PRECAUTIONARY LABEL: CARTON MUST BEAR ORM-D MARKING AND ORIENTATION ARROWS.

SECTION 14 - OTHER INFORMATION: PACKING GROUP: NONE ASSIGNED. IMO/IATA ID NUMBER: UN1950/UN1950. IMO/IATA HAZARD CLASS: 2.1/2.1. IMO SHIPPING NAME: AEROSOLS, IATA SHIPPING NAME: AEROSOLS, 30. IMO/IATA PRECAUTIONARY LABEL: AEROSOLS STATEMENT/FLAMMABLE GAS. IMO/IATA PACKING IN CASE OF TRANSPORTATION EMERGENCY, CALL CHEMTREC 1-800-424-9300.

TDG CLASSIFICATION: REGULATED
TDG SHIPPING NAME: AEROSOL
TDG UN NUMBER: UN1950
TDG HAZARD CLASS: 2.1
TDG PACKING GROUP:

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: 78-93-3 AND 108-88-3: SARA III SECTION 313 TOXIC CHEMICAL.

SECTION 16: OTHER INFORMATION

SPECIAL PROTECTION: OTHER EQUIPMENT: NONE REQUIRED IN NORMAL USE.

*** END OF DATA SHEET ***