

MATERIAL SAFETY DATA SHEET
29 CFR 1910.1200 OSHA Hazard
Communication Rule Format
Chem-Tel 24 Hour Emergency # 1-800-255-3924

MINE SAFETY APPLIANCES COMPANY
P.O. Box 426
Pittsburgh, PA 15230
PHONE (412) 967-3000

PRODUCT IDENTITY

LABEL IDENTITY - MSA P/N 812155 PID Lamp Cleaning Kit

A Material Safety Data Sheet for methanol as furnished by Aldrich Chemical Co. Inc and a Material Safety Data Sheet for aluminum oxide as furnished by Buehler Ltd., are attached.

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and **EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** Users assume all risks in handling, using or storing this product.

Valid 02/2002 - 04/2002
Sigma Chemical Co.
P.O. Box 14508
St. Louis, MO 63178 USA Tel: 314-771-5765

MATERIAL SAFETY DATA SHEET

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

CATALOG #: M1770

NAME: METHANOL PROTEIN SEQUENCING GRADE

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS #: 67-56-1 MF: CH4O EC NO: 200-659-6

SYNONYMS ALCOOL METHYLIQUE (FRENCH) * ALCOOL METILICO (ITALIAN) * BIELESKI'S SOLUTION *
CARBINOL * COLONIAL SPIRIT * COLUMBIAN SPIRIT * METANOLO (ITALIAN) * METHANOL (ACGIH) * METHYL
ALCOHOL (DOT:OSHA) * METHYLOL * METHYLALKOHOL (GERMAN) * METHYL HYDRATE * METHYL
HYDROXIDE * METYLOWY ALKOHOL (POLISH) * MONOHYDROXYMETHANE * PYROXYLIC SPIRIT * RCRA
WASTE NUMBER U154 * WOOD ALCOHOL * WOOD NAPHTHA * WOOD SPIRIT *

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

FLAMMABLE (USA)

HIGHLY FLAMMABLE (EU)

TOXIC TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

TOXIC: DANGER OF VERY SERIOUS IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH SKIN
AND IF SWALLOWED. IRRITATING TO EYES AND SKIN.

TARGET ORGAN(S): EYES KIDNEYS CAUSES EYE AND SKIN IRRITATION. KEEP CONTAINER TIGHTLY CLOSED.

KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING. TAKE PRECAUTIONARY MEASURES AGAINST STATIC
DISCHARGES.

AVOID CONTACT WITH SKIN. WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL
WHERE POSSIBLE).

SECTION 4. ----- FIRST-AID MEASURES-----

IF PERSON IS CONSCIOUS AFTER INGESTION OF MATERIAL, IMMEDIATELY GIVE 4 TO 8 OUNCES OF MILK OR
WATER.

IF SWALLOWED, DO NOT INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY. IF SWALLOWED, WASH OUT
MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS
DIFFICULT, GIVE OXYGEN.

IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN.

IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. UNUSUAL FIRE AND EXPLOSIONS HAZARDS FLAMMABLE LIQUID. EMITS TOXIC FUMES UNDER FIRE CONDITIONS. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK. CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. COVER WITH DRY-LIME, SAND, OR SODA ASH. PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. EVACUATE AREA. SHUT OFF ALL SOURCES OF IGNITION. AVOID CONTAMINATING SEWERS AND WATERWAYS WITH THIS MATERIAL.

SECTION 7. ----- HANDLING AND STORAGE-----
REFER TO SECTION 8.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

SAFETY SHOWER AND EYE BATH. USE NONSPARKING TOOLS.
USE ONLY IN A CHEMICAL FUME HOOD.
WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. STORE IN A COOL DRY PLACE.
NIOSH/MSHA-APPROVED RESPIRATOR. COMPATIBLE CHEMICAL-RESISTANT GLOVES. CHEMICAL SAFETY GOGGLES.
DO NOT BREATHE VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT USE IF SKIN IS CUT OR SCRATCHED. WASH THOROUGHLY AFTER HANDLING.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE AND ODOR LIQUID.
PHYSICAL PROPERTIES BOILING POINT: 63.8 C
MELTING POINT: -98 C
FLASHPOINT: 54F 12.22C
EXPLOSION LIMITS IN AIR: UPPER 36.00 % LOWER 7.3 %
VAPOR PRESSURE: 97.68 MMHG @ 20 C
SOLUBILITY: WATER -Z26070
SPECIFIC GRAVITY: 0.795
EVAPORATION RATE: 2.1
VAPOR DENSITY: 1.110 G/L PERCENT VOLATILE: 100 %
FREEZING POINT: -98 C
VISCOSITY 0.6 PAS

SECTION 10. -----STABILITY AND REACTIVITY -----

STABILITY STABLE. INCOMPATIBILITIES ACIDS ACID CHLORIDES ACID ANHYDRIDES OXIDIZING AGENTS ALKALI METALS REDUCING AGENTS HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS CARBON MONOXIDE, CARBON DIOXIDE HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS CAUSES SKIN IRRITATION. TOXIC IF ABSORBED THROUGH SKIN. CAUSES EYE IRRITATION. TOXIC IF INHALED. MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. TOXIC IF SWALLOWED. EXPOSURE CAN CAUSE: GASTROINTESTINAL DISTURBANCES MAY CAUSE CONVULSIONS. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

LD LC CHRONIC EFFECTS TARGET ORGAN(S): CENTRAL NERVOUS SYSTEM RTECS #: PC1400000

METHANOL IRRITATION DATA

SKN-RBT 20 MG/24H MOD 85JCAE -,187,1986

EYE-RBT 40 MG MOD UCDS** 3/24/1970

EYE-RBT 100 MG/24H MOD 85JCAE -,187,1986

TOXICITY DATA

ORL-MAN LDLO:6422 MG/KG CMAJAX 128,14,1983

ORL-HMN LDLO:428 MG/KG NPRI* 1,74,1974

ORL-HMN LDLO:143 MG/KG 34ZIAG -,382,1969

UNR-MAN LDLO:868 MG/KG 85DCAI 2,73,1970 ORL-RAT LD50:5628 MG/KG GTPZAB 19(11),27,1975

IHL-RAT LC50:64000 PPM/4H NPRI* 1,74,1974

IPR-RAT LD50:7529 MG/KG EVHPAZ 61,321,1985

IVN-RAT LD50:2131 MG/KG EVHPAZ 61,321,1985

ORL-MUS LD50:7300 MG/KG TXCYAC 25,271,1982

IPR-MUS LD50:10765 MG/KG EVHPAZ 61,321,1985

SCU-MUS LD50:9800 MG/KG TXAPA9 18,185,1971

IVN-MUS LD50:4710 MG/KG EVHPAZ 61,321,1985

ORL-MKY LD50:7 GM/KG TXAPA9 3,202,1961

ORL-RBT LD50:14200 MG/KG FAONAU 48A,105,1970

SKN-RBT LD50:15800 MG/KG NPRI* 1,74,1974

IPR-RBT LD50:1826 MG/KG EVHPAZ 61,321,1985

IVN-RBT LD50:8907 MG/KG EVHPAZ 61,321,1985

IPR-GPG LD50:3556 MG/KG EVHPAZ 61,321,1985

IPR-HAM LD50:8555 MG/KG EVHPAZ 61,321,1985

TARGET ORGAN DATA

SENSE ORGANS AND SPECIAL SENSES (OPTIC NERVE NEUROPATHY)

SENSE ORGANS AND SPECIAL SENSES (VISUAL FIELD CHANGES)

BEHAVIORAL (HEADACHE)

LUNGS, THORAX OR RESPIRATION (DYSPPNAE)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

GASTROINTESTINAL (NAUSEA OR VOMITING)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (CENTRAL NERVOUS SYSTEM) SPECIFIC DEVELOPMENTAL

ABNORMALITIES (MUSCULOSKELETAL SYSTEM)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE.

SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION ----- CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION EC INDEX NO: 603-001-00-X

HIGHLY FLAMMABLE TOXIC

- HIGHLY FLAMMABLE.
- TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
- TOXIC: DANGER OF VERY SERIOUS IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
- KEEP CONTAINER TIGHTLY CLOSED.
- KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
- WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES. S 45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

REVIEWS, STANDARDS, AND REGULATIONS OEL=MAK

ACGIH TLV-STEL 250 PPM (SKIN) DTLVS* TLV/BEI,1999

ACGIH TLV-TWA 200 PPM (SKIN) DTLVS* TLV/BEI,1999

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION FEREAC 54,7740,1989

MSHA STANDARD-AIR:TWA 200 PPM (260 MG/M3) (SKIN) DTLVS* 3,155,1971 OSHA PEL (GEN INDU):8H TWA 200 PPM (260 MG/M3) CFR 29,1910.1000,1994

OSHA PEL (CONSTRUC):8H TWA 200 PPM (260 MG/M3) CFR 29,1926.55,1994 OSHA PEL (SHIPYARD):8H TWA 200 PPM (260 MG/M3) CFR 29,1915.1000,1993

OSHA PEL (FED CONT):8H TWA 200 PPM (260 MG/M3) CFR 41,50-204.50,1994 OEL-ARAB REPUBLIC OF EGYPT: TWA 200 PPM (260 MG/M3), SKIN, JAN1993 OEL-AUSTRALIA: TWA 200 PPM (260 MG/M3), STEL 250 PPM, SKIN, JAN1993

OEL-AUSTRIA: MAK 200 PPM (260 MG/M3), SKIN, JAN1999 OEL-BELGIUM: TWA 200 PPM (262 MG/M3), STEL 250

PPM, SKIN, JAN1993 OEL-DENMARK: TWA 200 PPM (260 MG/M3), SKIN, JAN1999 OEL-FINLAND: TWA 200 PPM (260

MG/M3), STEL 250 PPM, SKIN, JAN1999 OEL-FRANCE: VME 200 PPM, VLE 1000 PPM, JAN1999 OEL-HUNGARY: TWA

50 MG/M3, STEL 100 MG/M3, SKIN, JAN1993 OEL-JAPAN: OEL 200 PPM (260 MG/M3), SKIN, JAN1999 OEL-THE

NETHERLANDS: MAC-TGG 200 PPM (260 MG/M3), SKIN, JAN1999 OEL-NORWAY: TWA 100 PPM (130 MG/M3),

JAN1999 OEL-THE PHILIPPINES: TWA 200 PPM (260 MG/M3), JAN1993 OEL-POLAND: MAC(TWA) 100 MG/M3,

MAC(STEL) 300 MG/M3, JAN1999 OEL-RUSSIA: TWA 200 PPM, STEL 5 MG/M3, SKIN, JAN1993 OEL-SWEDEN: NGV

200 PPM (250 MG/M3), KTV 250 PPM (350 MG/M3), SKIN, JAN1999 OEL-THAILAND: TWA 200 PPM (260 MG/M3),

JAN1993 OEL-TURKEY: TWA 200 PPM (260 MG/M3), JAN1993 OEL-UNITED KINGDOM: TWA 200 PPM (255 MG/M3),

STEL 250 PPM, SKIN, SEP2000 OEL IN ARGENTINA, BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV;

OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV NIOSH REL TO METHANOL-AIR:10H TWA 200

PPM (SK);STEL 250 PPM (SK) NIOSH* DHHS #92-100,1992 NOHS 1974: HZD 45930; NIS 344; TNF 78840; NOS 203; TNE

737242 NOES 1983: HZD 45930; NIS 373; TNF 101075; NOS 225; TNE 1620617; TFE 388352 EPA GENETOX PROGRAM

1988, NEGATIVE: SHE-CLONAL ASSAY; CELL TRANSFORM.-SA7/SHE EPA GENETOX PROGRAM 1988, NEGATIVE: N

CRASSA-ANEUPLOIDY; IN VITRO SCE-NONHUMAN EPA TSCA SECTION 8(B) CHEMICAL INVENTORY EPA TSCA

SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES EPA TSCA SECTION 8(E) RISK NOTIFICATION, 8EHQ-0892-

8989 ON EPA IRIS DATABASE EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001 NIOSH

ANALYTICAL METHOD, 1994: METHANOL, 2000 NIOSH ANALYTICAL METHOD, 1996: VOLATILE ORGANIC

COMPOUND, 2549 U.S. INFORMATION THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING

REQUIREMENTS.

SECTION 16. ----- OTHER INFORMATION -----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL-INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH, FLUKA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING

Product: 40-6603-030-016/080,40-6605-050-016/080,
40-6609-095-016/080,40-6612-125-016/080,40-6614-145-016/080,
40-6617-175-016/080,40-6620-200-016/080,40-6622-225-016/080,
40-6625-250-016/080,40-6420-240-016/080,40-6425-400-016/080,
40-6430-600-016/080

Preparation Date: 03/14/00

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SECTION 4 - FIRST AID MEASURES

I SKIN CONTACT: Wash with soap and water. irritation develops or persists.

Get medical attention if

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: No information.

FLASH POINT: N.A.

SECTION 5 - FIRE FIGHTING MEASURES

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known **SPECIAL FIREFIGHTING PROCEDURES:** Does not burn.

LOWER EXPLOSIVE LIMIT: N.A. **UPPER EXPLOSIVE LIMIT:** N.A.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Reclaim clean material. Contaminated material should be swept or shoveled into appropriate waste container and disposed of in accordance with applicable federal, state and local regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Minimize dust generation and accumulation. **STORAGE:** No special requirements.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation usually adequate.

RESPIRATORY PROTECTION: If exposure levels are unknown, if levels exceed TLV/PEL, or if effects occur, use NIOSH-approved dust/mist respirator in accordance with applicable health and safety regulations and manufacturer's recommendations.

SKIN PROTECTION: Clean clothing to cover skin. **EYE PROTECTION:** No information. **OTHER PROTECTIVE EQUIPMENT:** No information.

HYGIENIC PRACTICES: Follow good general industrial safety practices during

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use.
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40-6430-600-016/080

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	:	N.A.	VAPOR DENSITY	:	Is lighter than air
ODOR	:	None	ODOR THRESHOLD	:	N/A
APPEARANCE	:		White powder	EVAPORATION RATE:	Is slower than Butyl
SOLUBILITY IN H2O	:		Insoluble	Acetate	
FREEZE POINT	:	N/A	SPECIFIC GRAVITY:		3.8425
VAPOR PRESSURE	:	N/A	pH @ 0.0 %	:	N/A
PHYSICAL STATE	:	Solid	VISCOSITY	:	N/A

COEFFICIENT OF WATER/OIL DISTRIBUTION: N/A

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY:

Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: No information.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: No information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Material as sold may be disposed of in landfill if local regulations permit. If material becomes contaminated, follow disposal instructions for contaminant.

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not regulated DOT TECHNICAL NAME: N/A DOT HAZARD CLASS: N/A DOT UN/NA NUMBER: N/A

HAZARD SUBCLASS: N/A

PACKING GROUP: N/A

RESP. GUIDE PAGE:

INTERNATIONAL SHIPPING NAME: Not regulated

INTERNATIONAL ID NUMBER:

N/A

IMDG CLASS (10,20):

N/A

IMDG EMS: N/A

IMDG PAGE NUMBER:

N/A

IATA CLASS

(10,200 : N/A

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40-6430-600-016/080

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SECTION 15 - REGULATORY INFORMATION

i _____ j
OSHA: Non-hazardous by definition of Hazard Communication Standard (29 CFR
1910.1200)

CERCLA - SARA HAZARD CATEGORY: This product has been reviewed, and is considered, under applicable definitions,
to meet the following categories: NONE

SARA SECTION 313:

This product contains the following substances subject to the reporting
requirements of Section 313 and 40 CFR part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are on the TSCA Section 8
Inventory.

This product contains the following chemical substances subject to the
reporting requirements of TSCA 12 (B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER
No components found.

NEW JERSEY RIGHT-TO-KNOW: The following materials are non-hazardous, but are among the top five components in
this product: NONE

PENNSYLVANIA RIGHT-TO-KNOW: The following non-hazardous ingredients are present in the product at greater than
3%: NONE

CALIFORNIA PROPOSITION 65: No Proposition 65 chemicals known to exist in this product.

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled
Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: NONE

COMPONENT RCRA CLASSIFICATIONS: Not regulated COMPONENT RCRA CODES: No information.

CERCLA RQ VALUE (MINIMUM): None known

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SECTION 16 - OTHER INFORMATION

HMS RATINGS - HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 04/19/99

REASON FOR REVISION: new format

VOLATILE

ORGANIC COMPOUNDS (VOCS): 0 grams/ltr

LEGEND:

N.D. - Not Determined

N.A. - No information, N.E. - Not Established,

ABBREVIATIONS: ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = US Occupational Health and Safety Administration; UK = United Kingdom; TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hrs); STEL = Short-Term Exposure Limit (15 min); C = Ceiling Value; PEL = Permissible Exposure Limit

DISCLAIMER: To the best of our knowledge, the information contained in this MSDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.

<END OF MSDS>

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