



MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME:

HOMAX PRODUCTS, INC.

LEADCHECK SWABS

ITEM #5250,5250-24,5253

GENERAL USE:

FIELD TEST FOR LEAD ION (Pb ++)

PRODUCT DESCRIPTION:

EACH SWAB LOOKS LIKE A CIGARETTE IN SIZE AND SHAPE, WITH A FIBER TIP AT ONE END. INSIDE THE BARREL OF THE LEADCHECK SWAB ARE TWO SEALED GLASS AMPULES. ONE CONTAINS THE LEAD REACTIVE DYE AND THE OTHER THE ACIDIC WETTING SOLUTION.

SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME:

HOMAX PRODUCTS, INC.
468 WEST HORTON ROAD
BELLINGHAM, WA 98226

24 HOUR EMERGENCY PHONE NUMBER:

CHEMTREC 1-800-424-9300

INFORMATION PHONE NUMBER: 1-800-729-9029

DATE OF PREPARATION: 10/08/03

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CAS NUMBER	DESCRIPTION	%	KNOWN HAZARD
TRADE SECRET	LEAD REACTIVE DYE	<1	UNKNOWN
TRADE SECRET	INERT FILLER	<1	IRRITANT (DUST)
6106-24-7	SODIUM TARTRATE	<1	IRRITANT
87-69-4	TARTARIC ACID	<1	IRRITANT

REGULATORY INFORMATION:

TSCA (TOXIC SUBSTANCE CONTROL ACT)

COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

THIS PRODUCT CONTAINS NO REPORTABLE QUANTITY (RQ) SUBSTANCES. WE RECOMMEND YOU CONTACT LOCAL AUTHORITIES TO DETERMINE IF THERE MAY BE OTHER LOCAL REPORTING REQUIREMENTS.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: THE COMPONENTS OF THIS PRODUCT HAVE BEEN REVIEWED ACCORDING TO THE EPA HAZARD CATEGORIES PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND THIS PRODUCT IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: NOT TO HAVE ANY HAZARD CATEGORY.

313 REPORTABLE INGREDIENTS: NONE

CALIFORNIA PROPOSITION 65:

THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986. THIS PRODUCT CONTAINS NO CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY.

OSHA PERMISSIBLE EXPOSURE LIMIT (PEL):

ONLY THE INERT FILLER HAS A REPORTED OSHA PEL OF 20 MG/M3. NONE OF THE OTHER COMPONENTS HAS AN ACGIH THRESHOLD LIMIT VALUE THAT WE ARE OF.

ACGIH THRESHOLD LIMIT VALUE (TLV):

ONLY THE INERT FILLER HAS A REPORTED ACGIH THRESHOLD LIMIT VALUE OF 10MG/M3. NONE OF THE OTHER COMPONENTS HAS AN ACGIH THRESHOLD LIMIT VALUE THAT WE ARE AWARE OF.

NOTE: THE OSHA PEL AND ACGIH TLV HAVE LITTLE APPLICABILITY TO THE USER OF A LEAD CHECK SINCE THE VERY SMALL AMOUNT OF FILLER REMAINS INSIDE THE BARREL OF THE SWAB WHEN IT IS ACTIVATED. IT IS VERY UNLIKELY THAT THE FILLER WOULD EVER ESCAPE THE CONFINES OF THE SWAB PLASTIC BARREL AND BECOME EXPOSED TO THE ATMOSPHERE.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**A. LEAD REACTIVE DYE:**

PHYSICAL STATE: SOLID	SOLUBILITY IN WATER:	MODERATE
APPEARANCE: DARK GREEN POWDER	VAPOR PRESSURE (AIR = 1)	N/A
ODOR: NONE	EVAPORATION RATE (N-BUTYL ACETATE = 1)	N/A
PH: N/A	MELTING POINT:	>300 C
FREEZING POINT: N/A		

B. INERT FILLER

PHYSICAL STATE: SOLID	SOLUBILITY IN WATER	INSOLUBLE
APPEARANCE: WHITE POWDER	VAPOR PRESSURE (AIR =1)	N/A
ODOR: NONE	EVAPORATION RATE (N-BUTYL ACETATE =1)	N/A
PH: N/A	MELTING POINT:	>300C
FREEZING POINT: N/A	SPECIFIC GRAVITY:	3.970

C. TARTRATE BUFFER

PHYSICAL STATE: LIQUID	VISCOSITY:	1.0
APPEARANCE: CLEAR	VAPOR PRESSURE (AIR =1)	N/A
ODOR: NONE	EVAPORATION RATE (N-BUTYL ACETATE =1)	N/A
PH: 2.9	MELTING POINT:	100C
FREEZING POINT: 0 C		

TOXICOLOGICAL INFORMATION:

TO THE BEST OF OUR KNOWLEDGE, THE TOXICOLOGICAL PROPERTIES OF THE LEAD REACTIVE DYE, INERT FILLER AND TARTARIC ACID HAVE NOT BEEN THOROUGHLY INVESTIGATED. SOME OF THE AVAILABLE TOXICOLOGICAL DATA FOR THESE CHEMICALS ARE LISTED BELOW.

FOR TARTARIC ACID: IVN-MUS LD50 = 485 MG/KG

SECTION IV – FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED):	N/A
FLAMMABLE LIMITS:	N/A
AUTOIGNITION TEMPERATURE:	NOT AVAILABLE FOR LEAD REACTIVE DYE; 797 F. FOR TARTARIC ACID (POWDER FORM)
GENERAL HAZARD:	NO SPECIAL PRECAUTIONS NEED TO BE TAKEN.
FIRE FIGHTING INSTRUCTIONS:	EXTINGUISHING MEDIA- WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM OR OTHER EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

FIRE FIGHTING EQUIPMENT:	WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
HAZARDOUS COMBUSTION PRODUCTS:	LARGE QUANTITIES OF THE PRODUCT MAY EMIT TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE.

SECTION V – REACTIVITY DATA

STABILITY:

MATERIAL IS STABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AGENTS, BASES, REDUCING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

TOXIC FUMES OF CARBON MONOXIDE AND CARBON DIOXIDE CAN FORM ON COMBUSTION OR DECOMPOSITION.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI – HEALTH HAZARD DATA

EMERGENCY OVERVIEW:

EACH LEADCHECK SWAB LOOKS LIKE A CIGARETTE IN SIZE AND SHAPE. ONE END CONTAINS A FIBER TIP. INSIDE THE CARDBOARD WRAPPED PLASTIC BARREL OF THE SWAB ARE TWO SEALED GLASS AMPULES. ONE IS FILLED WITH THE LEAD REACTIVE DYE AND THE INERT FILLER. THE SECOND AMPULE IS FILLED WITH A TARTRATE WETTING SOLUTION, PH 2.9. THIS TARTRATE BUFFER MAY CAUSE A SLIGHT IRRITATION TO THE EYE OR SKIN ON CONTACT. WHILE FILLER DUST IS CLASSIFIED AS A RESPIRATORY IRRITANT, THE SMALL AMOUNT PRESENT IN LEAD CHECK SWABS IS CONTAINED WITHIN THE AMPULE INSIDE THE BARREL OF THE SWAB. SHOULD THE AMPULE BE ACCIDENTALLY CRUSHED DURING STORAGE OR TRANSPORTATION, THE FILLER DUST WOULD REMAIN CONTAINED WITHIN THE SWAB BARREL. DURING THE ACTIVATION PROCESS, THE WETTING SOLUTION ALSO WETS THE FILLER WHICH REMAINS CONTAINED INSIDE THE BARREL OF THE SWAB. THEREFORE, UNDER NORMAL USE OF THIS PRODUCT, THE USER IS NOT EXPOSED TO THE FILLER DUST PARTICLES.

POTENTIAL HEALTH EFFECTS:

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED FOR THE LEAD REACTIVE DYE, TARTARIC ACID AND INERT FILLER.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: IF SWALLOWED AND PERSON IS CONSCIOUS, IMMEDIATELY WASH MOUTH OUT WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.

EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SKIN: WASH WITH SOAP AND WATER. REMOVE AND CLEAN CONTAMINATED CLOTHING AND SHOES.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN INCASE MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: IN THE CASE WHERE A LARGE QUANTITY OF LEADCHECK SWABS (SEVERAL CASE LOTS) HAVE BEEN SPILLED AND CRUSHED, WEAR SUITABLE PROTECTIVE CLOTHING, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. CAREFULLY SWEEP UP DEBRIS AND PLACE IN A BAG FOR DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICK UP IS COMPLETE.

WATER SPILL: SHOULD A LARGE QUANTITY OF LEACK CHECK SWABS BE ACCIDENTALLY DUMPED INTO A

LARGE BODY OF WATER, SIMPLY RECOVER THE SWABS AND DISPOSE APPROPRIATELY.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

WASTE DISPOSAL METHOD:

INDIVIDUAL LEADCHECK SWABS MAY BE DISPOSED OF AS NON HAZARDOUS WASTE.

HANDLING & STORAGE:

STORAGE TEMPERATURE:

AMBIENT

STORAGE PRESSURE:

ATMOSPHERIC

GENERAL:

AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH HANDS THOROUGHLY AFTER HANDLING OR WEAR PROTECTIVE GLOVES. KEEP KITS CLOSED AND STORE IN A COOL, DRY PLACE.

SECTION VIII – CONTROL MEASURES

ENGINEERING CONTROLS:

USE IN A WELL VENTILATED AREA.

PERSONAL PROTECTION:

RESPIRATOR: NOT NECESSARY WHEN USING INDIVIDUAL LEADCHECK.

PROTECTIVE CLOTHING: NO SPECIALIZING CLOTHING REQUIRED.

EXPOSURE GUIDELINES: AVOID PROLONGED EXPOSURE.

SECTION XI - DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HERE IN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY HOMAX CORPORATION TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCTS ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE IMPROPER USE OF THESE PRODUCTS OR THE INFORMATION PROVIDED HEREWITH.

SHIPPING INFORMATION:

THIS PRODUCT IS NOT A HAZARDOUS MATERIAL OF HAZARDOUS SUBSTANCE AS DEFINED BY THE DEPARTMENT OF TRANSPORTATION, NOR IS IT A DANGEROUS GOOD AS DEFINED BY IATA FOR AIR TRANSPORTATION.