


**PRODUCT: 100523 PRIMER - ZINC WELD THRU 410 g / 14.5 oz**
**SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER / SUPPLIER ..... Kardol Quality Products  
 9933 Alliance Rd  
 Cincinnati, OH 45242

CHEMTREC : (800) 424-9300

PRODUCT NAME..... 100523 PRIMER - ZINC WELD THRU aerosol 410 g / 14.5 oz  
 CHEMICAL FAMILY..... MIXTURE.  
 MOLECULAR WEIGHT..... NOT APPLICABLE.  
 CHEMICAL FORMULA..... MIXTURE.  
 TRADE NAMES & SYNONYMS..... NOT APPLICABLE.  
 RECOMMENDED PRODUCT USES..... COATING.  
 CAS #..... NOT APPLICABLE..

**SECTION 02: HAZARDS IDENTIFICATION**


HAZARD CLASSIFICATION..... Danger.  
 SIGNAL WORD..... Danger.  
 HAZARD STATEMENTS ..... H223 FLAMMABLE AEROSOL. H229 PRESSURIZED CONTAINER: MAY BURST IF HEATED. H302+H332 HARMFUL IF SWALLOWED OR INHALED. H315 CAUSES SKIN IRRITATION. H320 CAUSES EYE IRRITATION.  
 PRECAUTIONARY STATEMENTS..... P101 IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND. P102 KEEP OUT OF REACH OF CHILDREN. P103 READ LABEL BEFORE USE.  
 OTHER HAZARDS..... No additional information available.

**SECTION 03: COMPOSITION/INFORMATION INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
ACETONE	67-64-1	15-40
ALUMINUM	7429-90-5	1-5
BUTYL BENZYL PHTHALATE	85-68-7	1-5
ISOBUTANE	75-28-5	7-13
METHYL ETHYL KETONE	78-93-3	5-10
MINERAL SPIRITS	64742-47-8	1-5
PROPANE	74-98-6	10-30
TOLUENE	108-88-3	7-13
ZINC ELEMENTAL	7440-66-6	1-5

**SECTION 04: FIRST AID MEASURES**

EMERGENCY FIRST AID PROCEDURE .... IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

**PRODUCT: 100523 PRIMER - ZINC WELD THRU 410 g / 14.5 oz**

**SECTION 05: FIRE FIGHTING MEASURES**

FLAMMABILITY..... EXTREMELY FLAMMABLE.  
 IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
 SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARTATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

EXPLOSION DATA  
 SENSITIVITY TO STATIC DISCHARGE. NOT APPLICABLE.  
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.  
 EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
 HAZARDOUS COMBUSTION PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

AEROSOL FLAME PROJECTION  
 CLASSIFIED AS:..... >45cm.  
 FLASHBACK..... NONE.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

**SECTION 07: HANDLING AND STORAGE**

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.  
 ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).  
 HANDLING PROCEDURES AND EQUIPMENT ..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.  
 SYNERGISTIC MATERIALS..... NONE KNOWN.

**SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
ACETONE	750 ppm					
ALUMINUM	10 mg/m3	ACGIH				
BUTYL BENZYL PHTHALATE	N/A					
ISOBUTANE	1000 ppm					
METHYL ETHYL KETONE	200 ppm					
MINERAL SPIRITS	100 ppm					
PROPANE	1000 ppm					
TOLUENE	50 ppm					
ZINC ELEMENTAL	N/A					
GLOVES/ TYPE.....	NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED.					
RESPIRATORY/TYPE.....	IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.					
EYE/TYPE.....	SAFETY GLASSES.					
FOOTWEAR/TYPE.....	NOT NORMALLY REQUIRED.					
OTHER/TYPE.....	NOT REQUIRED.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... AEROSOL.  
 APPEARANCE..... BRIGHT ALUMINUM.  
 ODOR..... CHARACTERISTIC.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 pH..... NOT APPLICABLE.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 BOILING POINT (°C)(CONC)..... 57-111.  
 FLASH POINT(°C),TAG CLOSED-CUP ..... LOWEST KNOWN VALUE IS ACETONE @-18C.  
 (CONCENTRATE)

PRODUCT: 100523 PRIMER - ZINC WELD THRU 410 g / 14.5 oz

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

EVAPORATION RATE..... GREATER THAN 1.  
 n-BUTYL ACETATE = 1  
 UPPER FLAMMABLE LIMIT..... 12.8.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT..... 2.6.  
 (% BY VOLUME)  
 VAPOUR PRESSURE(PSIG)-AEROSOL.... 65-75.  
 @ 20 C  
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.  
 (BY WEIGHT)  
 SPECIFIC GRAVITY (AEROSOL)..... 0.75-0.79.  
 SPECIFIC GRAVITY (LIQUID)..... 0.90-0.94.  
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 AUTO IGNITION TEMPERATURE (°C)..... 465-514.  
 AEROSOL PERCENT VOLATILE..... 81-82.  
 (BY WEIGHT).

**SECTION 10: STABILITY AND REACTIVITY**

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
 CHEMICAL STABILITY:  
 YES..... UNDER NORMAL CONDITIONS.  
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.  
 COMPATIBILITY WITH OTHER SUBSTANCES:  
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.  
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.  
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
ACETONE	>16,000 ppm (4 hr) INHAL - RAT	>9750 mg/kg ORAL - RAT
ALUMINUM	NOT AVAILABLE	NOT AVAILABLE
BUTYL BENZYL PHTHALATE	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE	142,500 ppm (4h) INHAL - RAT	NOT APPLICABLE
METHYL ETHYL KETONE	8000 ppm (8 hr) INHAL - RAT	3400 mg/kg ORAL - RAT
MINERAL SPIRITS	1400 ppm/4H INHAL - RAT	>5000 mg/kg ORAL - RAT
PROPANE	NOT AVAILABLE	>5000 mg/kg DERMAL-RABBITS
TOLUENE	8000 ppm (4 hr) INHAL - RAT	5000 mg/kg ORAL - RAT
ZINC ELEMENTAL	NOT AVAILABLE	NOT AVAILABLE
ROUTE OF ENTRY: INHALATION.....	INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.	
INGESTION.....	MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.	
EYE CONTACT.....	MAY CAUSE IRRITATION.	
SKIN CONTACT.....	MAY CAUSE IRRITATION.	
SKIN ABSORPTION.....	NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.	
EFFECTS OF ACUTE EXPOSURE.....	DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.	
EFFECTS OF CHRONIC EXPOSURE.....	SOLVENTS MAY CAUSE DEFATTING DERMATITIS	
IRRITANCY OF MATERIAL.....	SKIN/EYE IRRITANT. METHYL ETHYL KETONE MAY CAUSE EMBRYOTOXIC EFFECTS IN LABORATORY ANIMALS.	
CARCINOGENICITY OF MATERIAL.....	NONE KNOWN.	
MUTAGENICITY.....	NONE KNOWN.	
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.	
REPRODUCTIVE EFFECTS.....	TOLUENE - PROLONGED AND REPEATED EXPOSURE OF PREGNANT ANIMALS TO TOLUENE (LEVELS GREATER THAN APPROXIMATELY 1500 ppm) HAS BEEN REPORTED TO CAUSE ADVERSE FETAL DEVELOPMENTAL EFFECTS.	
SENSITIZING CAPABILITY OF MATERIAL.....	UNKNOWN.	

**PRODUCT: 100523 PRIMER - ZINC WELD THRU 410 g / 14.5 oz**

**SECTION 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORTATION INFORMATION**

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1) .  
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

**SECTION 15: REGULATORY INFORMATION**

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D2A,D2B.  
CNFC SECTION 3.3.5..... LEVEL 2.  
CEPA (Canadian Environmental Protection Act) ... ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 2 MODERATE HAZARD.  
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.  
HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.  
HMIS RATING PERSONAL PROTECTION.. B.  
NFPA CODE 30B..... LEVEL 2.  
SARA 313 INFORMATION:..... THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:  
. CAS #: CHEMICAL NAME:  
. \*108-88-3 TOLUENE  
. \*7429-90-5 ALUMINUM,  
. \* 7440-66-6 ZINC

CALIFORNIA PROPOSITION 65:..... THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:  
. WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.  
. CAS #: CHEMICAL NAME:

TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.  
V.O.C.(M.I.R.)..... COMPLIES WITH CARB MIR =1.00 FOR WELD-THROUGH PRIMERS .  
. \*108-88-3 TOLUENE .

**SECTION 16: OTHER INFORMATION**

NOTICE FROM Diamond Vogel Paint .....THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY Kardol Quality Products FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. Kardol Quality Products ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... Regulatory Affairs  
PREPARATION DATE ..... June 9, 2015