




00003189	MATERIAL SAFETY DATA SHEET		Page 1		
K-G PACKAGING 8001 KEELE STREET, P.O BOX 89 CONCORD; L4K 1Y8; ONTARIO CANADA 905-669-9855					
PRODUCT: 25800 ZINC COLD GALVANIZING SPRAY					
  					
Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION					
MANUFACTURER	K-G PACKAGING INC. 8001 KEELE STREET P.O. BOX 89 ONTARIO CANADA L4K 1Y8 CANUTEC EMERGENCY #: 1-613-996-6666(24HR)				
PRODUCT NAME	25800 ZINC COLD GALVANIZING SPRAY				
CHEMICAL FAMILY	ACRYLIC BASED COATING.				
MOLECULAR WEIGHT	NOT APPLICABLE.				
CHEMICAL FORMULA	MIXTURE.				
TRADE NAMES & SYNONYMS	25800 ZINC COLD GALVANIZING SPRAY				
PRODUCT USES	COATING.				
FORMULATION NUMBER	002-4-227.				
V.O.C.(M.I.R.)	COMPLIES WITH PRIMER COATING CATERGORY OF <1.2 g OZONE / g PRODUCT.				
Section 02: COMPOSITION/INFORMATION INGREDIENTS					
Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
ZINC ELEMENTAL	30-60	N/A	7440-66-6	NOT AVAILABLE	NOT AVAILABLE
TOLUENE	10-30	50 ppm	108-88-3	5000 mg/kg ORAL - RAT	8000 ppm (4 hr) INHAL - RAT
NAPHTHA	1-5	400ppm	8030-30-6	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE	5-10	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	3-7	1000 ppm	74-98-6	>5000 mg/kg DERMAL-RABBITS	NOT AVAILABLE
Section 03: HAZARDS IDENTIFICATION					
ROUTE OF ENTRY:					
INGESTION	MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS. INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.				
INHALATION					
EYE CONTACT	MAY CAUSE IRRITATION. NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.				
SKIN ABSORPTION					
SKIN CONTACT	MAY CAUSE IRRITATION. DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.				
EFFECTS OF ACUTE EXPOSURE					
EFFECTS OF CHRONIC EXPOSURE	SOLVENTS MAY CAUSE DEFATTING DERMATITIS SEE SECTION 2.				
EXPOSURE LIMIT OF MATERIAL					
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.				
Section 05: FIRE FIGHTING MEASURES					
AUTO IGNITION TEMPERATURE (°C)	480.				
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.				
FLAMMABILITY	EXTREMELY FLAMMABLE.				
IF YES, UNDER WHICH CONDITIONS?	EXCESSIVE HEAT, SPARKS AND OPEN FLAME.				
EXTINGUISHING MEDIA	WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.				
UPPER FLAMMABLE LIMIT	9.5.				
(% BY VOLUME)					
LOWER FLAMMABLE LIMIT	1.				
(% BY VOLUME)					
EXPLOSION DATA					
SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE.				
SENSITIVITY TO IMPACT	NOT APPLICABLE.				
HAZARDOUS COMBUSTION					
PRODUCTS	HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.				
AEROSOL FLAME PROJECTION					

00003189	MATERIAL SAFETY DATA SHEET	Page 2
PRODUCT: 25800 ZINC COLD GALVANIZING SPRAY		
Section 05: FIRE FIGHTING MEASURES		
CLASSIFIED AS:.....	>15cm BUT <100cm.	
FLASHBACK.....	NONE.	
FLASH POINT(°C),TAG CLOSED-CUP (CONCENTRATE).....	4.	
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		
GLOVES/ TYPE.....	WEAR CHEMICAL RESISTANT GLOVES.	
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.....	ALUMINIUM.	
ODOR.....	AROMATIC ODOR.	
ODOR THRESHOLD.....	NOT AVAILABLE.	
VAPOUR PRESSURE(PSIG)-AEROSOL @ 20 C.....	40 - 50.	
BOILING POINT (°C)(CONC).....	93-156.	
EVAPORATION RATE.....	GREATER THAN 1.	
n-BUTYL ACETATE = 1		
VAPOUR DENSITY (AIR=1).....	GREATER THAN 1.	
(BY WEIGHT)		
SOLUBILITY IN WATER g/L (20°C).....	NEGLECTIBLE.	
pH.....	NOT APPLICABLE.	
SPECIFIC GRAVITY (LIQUID).....	2.23-2.27.	
COEFFICIENT OF WATER/OIL DIST.....	NOT AVAILABLE.	
FREEZING POINT: (°C).....	NOT AVAILABLE.	
AEROSOL PERCENT VOLATILE (BY WEIGHT).....	37-38.	
SPECIFIC GRAVITY (AEROSOL).....	1.49-1.53.	
AEROSOL PERCENT VOC (w/w).....	37-38.	
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		
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.	
IRRITANCY OF MATERIAL.....	SKIN/EYE IRRITANT.	
SENSITIZING CAPABILITY OF MATERIAL.....	UNKNOWN.	
CARCINOGENICITY OF MATERIAL.....	THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC,(INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).	
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.	
MUTAGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.	

PRODUCT: 25800 ZINC COLD GALVANIZING SPRAY**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 INFORMATIONT.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1) .
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.**Section 15: REGULATORY INFORMATION**WHMIS CLASSIFICATION..... A,B5,D2B.
HMIS RATING HEALTH..... 2 MODERATE HAZARD.
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.
HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.
NFPA CODE 30B..... LEVEL 1.
CNFC SECTION 3.3.5..... LEVEL 1.
V.O.C.(M.I.R.)..... COMPLIES WITH PRIMER COATING CATEGORY OF <1.2 g OZONE / g PRODUCT.**Section 16: OTHER INFORMATION**NOTICE FROM KG PACKAGING INC THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY K-G PACKAGING INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. K-G PACKAGING INC. 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..... TECHNICAL SERVICES
PREPARATION DATE Jan14/11