



GalvMax™

95% PURE ZINC COLD GALVANIZE SPRAY

DESCRIPTION

GalvMax™ is a zinc rich cold-spray galvanizing process created to give full galvanized protection to all iron or steel surfaces exposed to rust and corrosion.

AREAS OF APPLICATION

Manufacturing plants, commercial buildings, schools, food processing plants or any establishment which uses or is built with exposed iron or steel use GalvMax™ for protecting their investment in equipment and facilities without the expense of, or inability to use hot zinc dipping. Especially useful in marine, aviation, trucking, fencing, metal fabrication, oil, chemical, paper manufacturing and food and beverage -processing industries or wherever metal protection or the renewal of worn or damaged galvanized surfaces is required. Provides top notch corrosion protection to weld seams.

SPECIAL FEATURES

Full Galvanized Protection Without Hot Zinc Dipping - because GalvMax™ is 95% pure zinc spray and not a paint, it gives any metal surface full galvanized protection without the inconvenience and expense of hot dipping. Even the most out of the way, hard-to-get-at surface can be quickly galvanized with GalvMax™.

Long-lasting Protection - like hot zinc dipping, GalvMax™ actually electro-mechanically bonds itself to metal surfaces to give them years of superior corrosion protection. In the unlikely event that GalvMax™'s durable zinc coating is scratched, the scratch quickly "heals" itself like a true hot-dip galvanized coating.

Easy to Apply - handy aerosol form can be taken virtually anywhere to give metal surfaces durable protection right on location or in the field. No skilled labor required.

Safely Welded Through - can be welded through with complete safety - no fumes, no burns.

Paint Over After Overnight Drying - If desired, GalvMax™ can be painted over after overnight drying. No further surface preparation is needed!

Stops Rust In All Climates - GalvMax™ is an outstanding primer for tough industrial coatings.

USE DIRECTIONS

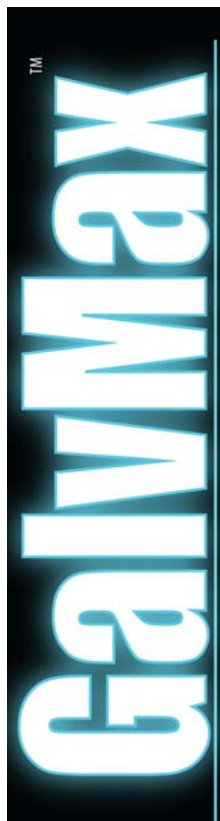
Surface Preparation: Clean with solvent or detergent to remove all dirt, oil and grease. Wire brush surface of all loose rust and old paint deposits. For maximum surface bonding and protection of equipment, clean to the bare metal by sandblasting surface to meet SSPC-SP6-63T specifications. The final surface should be dry and free of all oily or dusty deposits before using coating.

Application: Shake can thoroughly until inside agitator ball rattles and continue shaking for one additional minute. Holding can 25 - 30cm (10 - 12 inches) from the surface to be sprayed and spray in an even sweeping motion. For best protection apply two thin coats (allow 5 minutes between coats). When finished spraying and ready to store invert can and spray a short burst to clear nozzle.

Apply between 7°C/45°F and 49°C/120°F. Dries to touch in ½ to 1 hour. Dry 8 hours minimum before applying paint or further coating material.

NOTE: Avoid contamination of food in the use or storage of this product. Remove or cover all food products or -packaging materials during the spraying operation. DO NOT USE on food contact surfaces.





PHYSICAL PROPERTIES – AEROSOL

GalvMax™ consists of a micro fine zinc in a polymer binder.

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<i>Type</i>	Pure Zinc, Cold-Galvanize Coating
<i>Appearance</i>	Grey
<i>Odour</i>	Solvent
<i>Flammability</i>	Extremely Flammable
<i>pH (concentrate)</i>	n/a
<i>Specific Gravity(liquid)</i>	2.10 - 2.25
<i>Aerosol Spray Pattern</i>	Medium Fine Fan Spray
<i>Toxicity (concentrate)</i>	Eye/Skin Irritant

Harmful if Ingested, Avoid Excessive Inhalation

APPROVALS/CERTIFICATIONS

MIL-P-26915A. . . For Steel - U.S. Air Force
 MIL-T-26433. . . . For Towers - U.S. Air Force
 MIL-P-46105. . . . Weld Through Primer
 MIL-P-21035. . . . Galvanizing Repair - U.S. Navy

FOR USE IN INDUSTRIAL, INSTITUTIONAL, COMMERCIAL, MARINE and FOOD PROCESSING ENVIRONMENTS

PACKAGING Aerosol Case (12 x 369g Cans)

DM1401

MAXIM TECHNOLOGIES INC.
 1607 Derwent Way, DELTA, B.C. V3M 6K8
 CANADA 604--526-5655

PRODUCT: GALVMAX



Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER MAXIM TECHNOLOGIES INC.
 1607 Derwent Way, DELTA
 B.C.
 CANADA
 V3M 6K8
 CANUTEC EMERGENCY #:1-613-996-6666(24HR)
 PRODUCT NAME..... GALVMAX
 CHEMICAL FAMILY..... ACRYLIC BASED COATING.
 MOLECULAR WEIGHT..... NOT APPLICABLE.
 CHEMICAL FORMULA..... MIXTURE.
 TRADE NAMES & SYNONYMS..... GALVMAX
 PRODUCT USES..... COATING.

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
ZINC OXIDE	1-5	5mg/m3	1314-13-2	7950 mg/kg ORAL - MOUSE	NOT APPLICABLE
VM&P NAPHTHA	1-5	300 ppm	64742-89-8	NOT AVAILABLE	3400 ppm (4 hr) INHAL - RAT
ISOBUTANE	7 - 13	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	5-10	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..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.
 EYE CONTACT..... MAY CAUSE IRRITATION.
 SKIN ABSORPTION..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.
 SKIN CONTACT..... MAY CAUSE IRRITATION.
 EFFECTS OF ACUTE EXPOSURE..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.
 EFFECTS OF CHRONIC EXPOSURE..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS
 EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.

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..... 2.6.
 (% BY VOLUME)
 EXPLOSION DATA
 SENSITIVITY TO STATIC DISCHARGE..... NOT APPLICABLE.
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.
 HAZARDOUS COMBUSTION

PRODUCT: GALVMAX**Section 05: FIRE FIGHTING MEASURES**

PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 AEROSOL FLAME PROJECTION
 CLASSIFIED AS:..... >15cm BUT <100cm.
 FLASHBACK..... NONE.
 FLASH POINT(°C),TAG CLOSED-CUP THE LOWEST VALUE KNOWN IS TOLUENE @ 4C.
 (CONCENTRATE)

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/TYPER..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
 EYE/TYPER..... SAFETY GLASSES.
 FOOTWEAR/TYPER..... NOT NORMALLY REQUIRED.
 OTHER/TYPER..... NOT REQUIRED.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.
 APPEARANCE..... GRAY.
 ODOR..... AROMATIC ODOR.
 ODOR THRESHOLD..... NOT AVAILABLE.
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 48-58.
 @ 20 C
 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)..... NEGLIGIBLE.
 pH..... NOT APPLICABLE.
 SPECIFIC GRAVITY (LIQUID)..... 2.10-2.25.
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.
 FREEZING POINT: (°C)..... NOT AVAILABLE.
 AEROSOL PERCENT VOLATILE..... 39-40.
 (BY WEIGHT).
 SPECIFIC GRAVITY (AEROSOL)..... 1.40-1.44.

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: GALVMAX

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

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

Section 15: REGULATORY INFORMATION

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D2A,D2B.
CNFC SECTION 3.3.5..... LEVEL 1.
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 1.
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
. * 7440-66-6 ZINC ELEMENTAL

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 BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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.

VOC (w/w%)..... 39-43.
V.O.C.(M.I.R.)..... COMPLIES WITH PRIMER COATING CATERGORY OF <1.2 g OZONE / g PRODUCT.

Section 16: OTHER INFORMATION

NOTICE FROM MAXIM TECHNOLOGIES INC..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY MAXIM TECHNOLOGIES INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. MAXIM TECHNOLOGIES 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..... MAXIM TECHNOLOGIES INC.
PREPARATION DATE Jan 02, 2014