



MATERIAL SAFETY DATA SHEET

TROJAN CHEMICALS
1875 DREW ROAD
MISSISSAUGA, ONTARIO
L5S 1J5
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666
"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION:
A, B5, D2B

MATERIAL REFERENCE NO: 651321

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: TRB 513 (AEROSOL)	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: COLD GALVANIZING SPRAY	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
PETROLEUM DISTILLATES	3.0-7.0	100	64742-47-8	NO DATA
TOLUENE	20.0-40.0	50	108-88-3	636 MG/KG
ZINC	10.0-20.0	100	7440-66-6	NO DATA
BUTANE/PROPANE BLEND	30.0-60.0	1000	68476-86-8	NO DATA

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: GRAY VISCOUS LIQUID; SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	(CONC.) 1.105	60 PSIG AT 21 (C)
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
> 1	NOT AVAILABLE	(20°C) NEGLIGIBLE
BOILING POINT (C)	FREEZING POINT (C)	TOTAL VOC %
(FILL) INITIAL >93.3	NOT AVAILABLE	~78
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
NOT APPLICABLE	NOT APPLICABLE	NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS: WHEN SPRAYED INTO IGNITION SOURCE.			
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO2,			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF			
CONTAINED BREATHING APPARATUS. USE SHIELDING TO PROTECT FROM			
VENTING, BURSTING OR RUPTURING CONTAINERS. USE WATER FOG TO COOL			
FIRE EXPOSED CONTAINERS.			
FLASH POINT (C) AND METHOD: CONCENTRATE 26.7 (C) T.O.C.			
FLAME EXTENTION-EXTREMELY FLAMMABLE SPRAY.			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
UNIDENTIFIED ORGANICS, ZINC FUMES, ACRID SMOKE, IRRITATING FUMES.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP(C)	
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY	RATE OF BURNING	EXPLOSIVE POWER	
TO CHEMICAL IMPACT		PRESSURIZED CONTAINER	
NOT AVAILABLE	NOT AVAILABLE	KEEP TEMP. BELOW 50C	
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL EMIT			
OXIDES OF CARBON UNIDENTIFIED ORGANICS, ZINC FUMES, ACRID SMOKE,			
IRRITATING FUMES.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES	SKIN ABSORPTION: YES	EYE CONTACT: YES	
INHALATION: YES	INGESTION: YES		



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT CAN CAUSE MODERATE IRRITATION.
SKIN-FREQUENT OR PROLONGED CONTACT CAN CAUSE MODERATE IRRITATION.
INHALATION-BREATHING OF MIST MAY CAUSE MODERATE IRRITATION OF NASAL AND RESPIRATORY PASSAGES.
INGESTION-MAY BE HARMFUL IF SWALLOWED. CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF CHEMICAL INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONITIS.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
INHALATION-EXCESSIVE INHALATION MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT, DIZZINESS, NAUSEA, VOMITING AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL SKIN AND EYE IRRITANT
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SENSITIZATION OF MATERIAL NONE KNOWN	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: CHEMICAL RESISTANT
RESPIRATORY: NIOSH APPROVED RESPIRATOR IF EXPOSURES EXCEED OCCUPATIONAL LIMITS.
EYE: CHEMICAL GOGGLES
FOOTWEAR: NO SPECIAL REQUIREMENTS.
CLOTHING: ADEQUATE WORK WARE TO PREVENT SKIN CONTACT.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL MECHANICAL VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS WITHIN ACCEPTABLE LIMITS.

LEAK AND SPILL PROCEDURE: VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. ALLOW PROPELLANT TO EVAPORATE. ABSORB ONTO SUITABLE ABSORBENT. SWEEP UP AND PLACE IN DISPOSAL CONTAINER. WASH FLOOR TO REMOVE RESIDUAL CHEMICAL.

WASTE DISPOSAL:
DISPOSAL PROCEDURES IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
SKIN-WASH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET MEDICAL ASSISTANCE.
INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.
SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS
ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
D.G. Safety Marks are in accordance with 49 CFR			
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. USE ONLY IN WELL-VENTILATED AREA. DO NOT HANDLE OR USE NEAR IGNITION SOURCES. DO NOT SMOKE.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM OXIDIZING AGENTS. DO NOT STORE WHERE TEMPERATURES EXCEED 50 (C). DO NOT STORE IN DIRECT SUNLIGHT.			
SPECIAL SHIPPING INFORMATION: NON-HEATED			

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
3	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVISED: NOVEMBER 15, 2013	REPLACES: OCTOBER 11, 2010

DISCLAIMER:

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