



MATERIAL SAFETY DATA SHEET

TROJAN CHEMICALS
 4 BLAIR DRIVE
 BRAMPTON, ONTARIO
 L6T 2H5
 TEL# (905) 456-9444

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

W.H.M.I.S. CLASSIFICATION: D2B

MATERIAL REFERENCE NO: 6115100

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: TRL-1151
CHEMICAL NAME : NOT APPLICABLE

 | CHEMICAL FORMULA: MIXTURE | MOLECULAR WEIGHT: NOT APPLICABLE |

SYNONYMS: NONE
MATERIAL USE: CARBON, SOOT & GREASE CLEANER

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM HYDROXIDE	5.0-10.0	2 MG/M3	1310-73-2	140 MG/KG
1,2-PROPANEDIOL	7.0-15.0	N/E	57-55-6	20-34 GM/KG
ALKYL IMIDAZOLINIUM DICARBOXYLATE SALT SODIUM	1.0-5.0	NOT AVAILABLE	68298-20-4	NOT AVAILABLE

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: CLEAR, AMBER COLOUR; ACRID ODOUR.

ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT ESTABLISHED	1.061	NOT ESTABLISHED

VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT ESTABLISHED	NOT AVAILABLE	(20°C) COMPLETE

BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY VOLUME)
NOT AVAILABLE	NOT AVAILABLE	80

pH (10.0 % SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
12.5-13.5	NOT APPLICABLE	NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE		
IF YES, UNDER WHICH CONDITIONS:		
MEANS OF EXTINCTION: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-		
CONTAINED BREATHING APPARATUS FOR ALL CHEMICAL FIRES.		
FLASH POINT (C) AND METHOD: NONE		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND NITROGEN,		
AMMONIA		
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		
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
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: ACIDS, REACTIVE METALS, ORGANIC HALOGENS, ORGANIC		
NITRO COMPOUNDS.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED		
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN		
AMMONIA.		

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-MAY CAUSE IRRITATION, POSSIBLE CORNEAL DAMAGE. |
 |SKIN-MAY CAUSE IRRITATION, DRYING OF SKIN, |
 |INHALATION-MAY CAUSE IRRITATION OF MOUTH, THROAT AND LARYNX. |
 | EXCESSIVE MIST INHALATION MAY CAUSE LUNG GE WHICH COUL |
 | RESULT IN CHEMICAL PNEUMONIA. |
 |INGESTION-OF LARGE AMOUNTS MAY RESULT IN GASTRO-INTESTINAL |
 | IRRITATION OR ULCERATION, BURNING SENSATION OF MOUTH AND THROAT |
 |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
 |MAY CAUSE DERMITITIS UPON FREQUENT OR PROLONGED CONTACT. |
 | |
 | |
 | |
 | |

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMITS	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT ESTABLISHED	MODERATE

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
 | |
 | NONE KNOWN |

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:GLOVES & GLASSES IF USING CONCENTRATE

GLOVES: RUBBER / VINYL / PVA
RESPIRATORY: AIR PURIFYING RESPIRATOR IF MISTY CONDITIONS PREVAIL.
EYE: SAFETY GOGGLES OR FACE SHIEL
FOOTWEAR: IMPERMEABLE
CLOTHING: IMPERMEABLE
OTHER: EYE WASH

|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSEPRO CESS): GENERAL IS |
 | NORMALLY SUFFICIENT. |

|LEAK AND SPILL PROCEURE: |
 | VENTILATE. SMALL SPILLS SHOULBE FLUSHEWITH LA RGE -3.57193()-3.57193()-3OUNTS OF |
 | WATER. LARGE SPILLS SHOULBE CONTAINED AND TRANS FERRED TO SUITABLE |
 |CONTAINER FOR REUSE OR DISPOSAL. ABSORB RESIDUE ONTO INERT ABSORBANT |

|WASTE DISPOSAL: |
 |DISPOSE OF THROUGH A LICENSED DISPOSAL FACILITY IN ACCORDANCE WITH |
 |LOCAL, PROVINCIAL AND FEDERAL REGULATIONS. |



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |

| INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IS BREATHING IS |

| DIFFICULT. SEEK MEDICAL ATTENTION. |

| EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 |

| MINUTES. SEEK MEDICAL ATTENTION. |

| SKIN CONTACT: FLUSH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION |

| PERSISTS, SEEK MEDICAL ATTENTION. |

| INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK |

| MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH IF VICTIM IS |

| UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY. |

| SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS |

| ADDITIONAL INFORMATION: NONE |

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
CORROSIVE LIQUID N.O.S. (SODIUM HYDROXIDE)	8	1760	II

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. |

| WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: |

| STORE IN A COOL DRY PLACE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. |

| |

| SPECIAL SHIPPING INFORMATION: NONE |

SECTION X - HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 11, 2009	REPLACES NOVEMBER 23, 2003

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