



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: B3, D2B

MATERIAL REFERENCE NO: 663900

SECTION I - MATERIAL IDENTIFICATION AND USE

 | MATERIAL NAME/I.D.: TRL 639 TRO-COAT MPPC |
 | (MULTI-PURPOSE PROTECTIVE COATING) |

 | CHEMICAL NAME: HYDROCARBONS | CHEMICAL FAMILY: OILS |

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

 | SYNONYMS: NONE |

 | MATERIAL USE: PROTECTIVE COATING |

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

| HAZARDOUS INGREDIENTS | APPROX. % CONCENT. | TLV PPM | C.A.S. NUMBERS | LD 50 ORAL, RAT |
|-----------------------|--------------------|---------|----------------|-----------------|
| ALIPHATIC HYDROCARBON | 60.0-100.0 | 5 MG/M3 | 64742-81-0 | 5000 MG/KG |
| PETROLEUM SULFONATE | 5.0-15.0 | N/A | 68608-26-4 | N/A |
| PETROLATUM | 5.0-15.0 | N/A | 64742-61-6 | N/A |
| HYDROTREATED OIL | 5.0-10.0 | N/A | 64742-52-5 | N/A |
| HEXYLENE GLYCOL | 1.0-5.0 | N/A | | |

SECTION III - PHYSICAL DATA FOR MATERIAL

 | PHYSICAL STATE: LIQUID |

 | ODOUR AND APPEARANCE: AMBER LIQUID; MILD PETROLEUM ODOUR. |

| | | |
|--|------------------------|------------------------------------|
| ODOUR THRESHOLD (PPM) GREATER THAN 400 | SPECIFIC GRAVITY 0.830 | VAPOUR PRESSURE (MM) NOT AVAILABLE |
|--|------------------------|------------------------------------|

| | | |
|----------------------------|--|--------------------------------------|
| VAPOUR DENSITY (AIR=1) < 1 | EVAPORATION RATE (WATER=1) NOT AVAILABLE | SOLUBILITY IN WATER (20°C) INSOLUBLE |
|----------------------------|--|--------------------------------------|

| | | |
|------------------------|-----------------------|--------------------------------------|
| BOILING POINT (C) >200 | FREEZING POINT (C) >0 | % VOLATILE (BY WEIGHT) NOT AVAILABLE |
|------------------------|-----------------------|--------------------------------------|

| | | |
|----------------------------------|-------------------------------|---------------------------------------|
| pH (10% SOLUTION) NOT APPLICABLE | DENSITY (G/ML) NOT APPLICABLE | COEF.OF WATER/OIL DISTR NOT AVAILABLE |
|----------------------------------|-------------------------------|---------------------------------------|



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

| | | |
|--|-----------------------|-----------------------|
| FLAMMABILITY: COMBUSTIBLE | | |
| IF YES, UNDER WHICH CONDITIONS: HIGH HEAT | | |
| MEANS OF EXTINCTION: CARBON DIOXIDE, DRY POWDER, DRY CHEMICAL, WATER | | |
| SPRAY. DO NOT USE WATER JET. | | |
| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF | | |
| CONTAINED BREATHING APPARATUS. VAPOURS FROM THIS PRODUCT ARE HEAVIER | | |
| THAN AIR AND MAY TRAVEL TO IGNITION SOURCE AND FLASH BACK. | | |
| FLASH POINT (C) AND METHOD: 71.1 (TCC) | | |
| HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, | | |
| OXIDES OF SULPHUR AND NITROGEN, TOXIC FUMES, SMOKE. | | |
| 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: HIGH HEAT | | |
| INCOMPATIBILITY TO OTHER SUBSTANCES: YES | | |
| IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, ACIDS. | | |
| REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN | | |
| HAZARDOUS POLYMERIZATION WILL NOT OCCUR | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE | | |
| OXIDES OF CARBON, SULPHUR AND NITROGEN, TOXIC FUMES, SMOKE. | | |

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 MAY CAUSE MODERATE IRRITATION. |
 |SKIN-CONTACT MAY CAUSE IRRITATION, DEFATTING, DRYING AND CRACKING OF |
 |SKIN. |
 |INHALATION-VAPOURS ARE MODERATELY IRRITATING TO THE RESPIRATORY |
 |PASSAGES. |
 |INGESTION-MAY CAUSE NAUSEA, VOMITING, DIARRHEA. SMALL AMOUNTS OF |
 |LIQUID DRAWN INTO LUNGS FROM SWALLOWING OR VOMITING MAY CAUSE SEVERE |
 |HEALTH EFFECTS SUCH AS BRONCHOPNEUMONIA OR PULMONARY EDEMA. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
 |SKIN-REPEATED OR PROLONGED CONTACT MAY LEAD TO DERMITITIS. |
 |INHALATION-EXCESSIVE EXPOSURES TO HIGH VAPOUR CONCENTRATIONS CAN |
 |CAUSE HEADACHE, DIZZINESS, NAUSEA, BLURRED VISION AND CENTRAL |
 |NERVOUS SYSTEM DEPRESSION. |

| | | | |
|----------------|----------------|-------------------|-------------------|
| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | 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: IMPERVIOUS |
 |RESPIRATORY: NIOSH/MSHA APPROVED RESPIRATOR IF EXPOSURES EXCEED |
 | OCCUPATIONAL EXPOSURE LIMITS. |
 | EYE: CHEMICAL GOGGLES |
 | FOOTWEAR: IMPERMEABLE |
 | CLOTHING: SUITABLE WORKWEAR TO PREVENT SKIN CONTACT. |
 | OTHER: EYE WASH AND SAFETY SHOWER |
 |ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): PROVIDE |
 |LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURES WITHIN APPLICABLE |
 |LIMITS. |

|LEAK AND SPILL PROCEDURE: ELIMINATE IGNITION SOURCES. CONTAIN SPILL. |
 |TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB |
 |REMAINING MATERIAL ONTO NON-COMBUSTIBLE ABSORBANT AND PLACE IN |
 |CONTAINER FOR DISPOSAL. DO NOT DISCHARGE TO WATERWAYS OR SEWERS. |
 |HARMFUL TO AQUATIC LIFE. |

|WASTE DISPOSAL DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND |
 |FEDERAL REGULATIONS. |
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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |

| EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES |

| WHILE HOLDING EYELIDS OPEN. IF IRRITATION PERSISTS, REPEAT FLUSHING. |

| GET MEDICAL ATTENTION. |

| SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH RUNNING |

| WATER FOR 15 MINUTES. IF SYMPTOMS OCCUR OR PERSIST GET MEDICAL |

| ATTENTION. LAUNDRER CLOTHING BEFORE REUSE. |

| INHALATION-MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN |

| IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION THEN GIVE OXYGEN |

| GET MEDICAL ATTENTION. |

| INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING |

| BY MOUTH TO AN UNCONSCIOUS OR CONVULSING 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 |
|---------------|-------|--------|----|
| NOT REGULATED | | | |

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

| CLOTHING. WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA. DO |

| NOT STORE WHERE TEMPERATURES EXCEED 50 (C). KEEP CONTAINER CLOSED |

| WHEN NOT IN USE. |

| SPECIAL SHIPPING INFORMATION: NON HEATED |

SECTION X - HMIS HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH |
|--------------|------------|--------|
| 1 | 0 | 1 |

SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 |

| REVIEWED: AUGUST 21, 2016 |

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