

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: HEAVY DUTY PENETRATING OIL  
Product Use: LUBRICATING OIL  
Supplier: SHARE CANADA  
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7  
Telephone: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

## SECTION II - HAZARDOUS INGREDIENTS

| Hazardous ingredients      | CAS Number | Weight %  | ACGIH TLV        | OSHA PEL            |
|----------------------------|------------|-----------|------------------|---------------------|
| Trichloroethylene          | 79-01-6    | 30 – 40 % | 50 ppm           | 50ppm               |
| Hydrotreated Petroleum Oil | 64742-52-5 | 45 – 55 % | Not established. | 5 mg/m <sup>3</sup> |

## SECTION III - PHYSICAL DATA

Physical State: LIQUID Specific Gravity (20°C): 1.04  
pH: Not available.  
Vapour pressure (mmHg): Not available. Vapour density (air = 1): Not available.  
Odour and appearance: CLEAR, DARK GOLD LIQUID, CHARACTERISTIC CHLORINATED SOLVENT ODOUR  
Odour threshold: Not available. Evaporation rate (water = 1): > 1.0  
% volatile by volume: 34 Solubility in water: INSOLUBLE  
Boiling point (C°): Not available. Freezing point (C°): Not available.  
Coefficient of water/oil distribution: Not available.

## SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: NOT FLAMMABLE OR COMBUSTIBLE  
Flash point (C°): > 97.7 °C - CLOSED CUP  
Upper flammable limit: Not applicable.  
Lower flammable limit: Not applicable.  
Flammability classification: NONE  
Autoignition temperature: Not applicable.  
Conditions of flammability: SOLVENT VAPOURS MAY CAUSE FLASH BACK.  
Special fire fighting procedures: FIREFIGHTERS MUST USE FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.  
Means of extinction: WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
Hazardous combustion by-products: CO and CO<sub>2</sub>, HYDROGEN CHLORIDE AND TRACES OF PHOSGENE.  
Sensitivity to mechanical impact: Not sensitive.  
Sensitivity to static discharge: Not sensitive.

## SECTION V - REACTIVITY DATA

Is the product stable? STABLE  
Conditions of reactivity: NONE  
Incompatible substances: OXIDIZERS, STRONG ACIDS, ALKALIS AND ALUMINIUM.  
Hazardous decomposition products: THERMAL DECOMPOSITION MAY YIELD HCL, TRACES OF PHOSGENE AND OXIDES OF CARBON,

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## SECTION VI - TOXICOLOGICAL PROPERTIES

**WHMIS CLASSIFICATION:** CLASS D 1 B- IMMEDIATE AND SERIOUS TOXIC EFFECTS.

**Primary routes of exposure:** SKIN AND EYE CONTACT, INGESTION.

**Acute effects of overexposure:** EYES: MODERATE TO SEVERE IRRITATION.

SKIN: REDNESS, DRYNESS, IRRITATION, DERMATITIS WITH PROLONGED OR REPEATED EXPOSURE.

INHALATION: UPPER RESPIRATORY TRACT IRRITATION, CNS DEPRESSION, CARDIAC SENSITIZATION.

INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING. MAY BE AN ASPIRATION HAZARD.

**Chronic effects:** NONE REPORTED.

**Exposure limits:** SEE SECTION II FOR INGREDIENT EXPOSURE LIMITS

**Irritant:** SKIN, EYE AND RESPIRATORY TRACT IRRITANT.

**Sensitizer:** NOT KNOWN TO BE A SENSITIZER.

**Carcinogen:** TRICHLOROETHYLENE - IARC 2A - SUSPECTED HUMAN CARCINOGEN

**Mutagen:** NOT KNOWN TO BE A MUTAGEN

## SECTION VII - PREVENTION MEASURES

|   |  |  |
|---|--|--|
| <b>Gloves:</b> CHEMICAL RESISTANT GLOVES  | <b>Respirator:</b> IN AREAS OF HIGH CONCENTRATION, USE A NIOSH APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS. | <b>Eye protection:</b> CHEMICAL GOGGLES              |
| <b>Footwear:</b> NO SPECIAL REQUIREMENTS. | <b>Clothing:</b> APRON TO PREVENT SKIN CONTACT.  | <b>Other:</b> EMERGENCY SHOWER AND EYE WASH STATION. |

**Engineering controls:** USE WITH ADEQUATE VENTILATION. LOCAL VENTILATION

**RECOMMENDED.** Respiratory protection: DO NOT BREATHE VAPOURS OR SPRAY MISTS.

**Leak and spill procedures:** VENTILATE AREA AND REMOVE SOURCES OF IGNITION. SOAK UP ON INERT MATERIAL AND PLACE IN A PROPERLY MARKED, CLOSED CONTAINER FOR DISPOSAL. Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

**Handling and storage requirements:** STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM HEAT AND OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF THE REACH OF CHILDREN.

**Special shipping information:** TRICHLOROETHYLENE SOLUTION. CLASS 6.1 UN 1710 PACKING GROUP III. LIMITED QUANTITIES IN CONTAINERS UP TO 5 LITRES.

## SECTION VIII - FIRST AID MEASURES

**Skin contact:** REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

**Eye contact:** FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

**Ingestion:** CONTACT A PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**Inhalation:** REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

## SECTION IX - PREPARATION DATA

**Information sources:** MANUFACTURER'S MSDS.

**Prepared by:** SHARE CANADA

**Telephone Number:** (204) 633 - 8553

**Preparation Date:** AUGUST 1, 2011