



MATERIAL SAFETY DATA SHEET

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WS 10

SECTION ONE – PRODUCT INFORMATION

Product Name: WS 10 **PRODUCT USE:** Wax Solvent
Shipping Name/Description: PETROLEUM DISTILLATES, N.O.S.
Hazard Classes: Primary: 3 **Sub. Class:** N/A
UN/NA Number: UN1268 **Packing Group:** I or II

SECTION TWO – HAZARDOUS INGREDIENTS

<i>Ingredient:</i>	CAS #	%	TLV	LD(50)	LC(50)
<i>Hydrocarbon (aromatic and paraffinic hydrocarbons)</i>	8002-05-9	60-100	N/A	N/A	N/A
<i>Benzene</i>	71-43-2	0.1-1	TWA: 10ppm STEL: 5ppm	Oral, rat 3.8 g/kg	Inhalation, Rat 1,000 ppm
<i>Alkylbenzene sulphonic acid</i>	27176-87-0	0.1-1	N/A	Oral, Rat 890mg/kg	Vapour, Rat 2140mg/kg

- acid strength in weight percent

* - skin absorption

N/A - Not available

SECTION THREE - PHYSICAL DATA

PHYSICAL STATE: Liquid
ODOUR AND APPEARANCE: Varies from mild pleasant hydrocarbon odour to mild rotten eggs; colourless to cola tint in colour.
ODOUR THRESHOLD: N/A
SPECIFIC GRAVITY: 0.7 – 0.78
VAPOUR PRESSURE: 4.1 kPa
VAPOUR DENSITY (air=1): 2.5 @ 30 °C
EVAPORATION RATE: N/A
BOILING POINT: - 80 - 350 °C

POUR POINT:	< -60 °C (pour point)
pH:	N/A
SOLUBILITY IN H₂O:	Essentially insoluble in water
COEFFICIENT OF WATER/OIL:	N/A

SECTION FOUR – FIRE AND EXPLOSION DATA

FLASHPOINT (METHOD):	10 – 20 °C (CC).
CONDITIONS OF FLAMMABILITY:	Excessive heat, open flames
EXTINGUISHING MEDIA:	Alcohol foam, CO ₂ , Dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES:	Use water spray to cool containers and protect personnel. Wear a SCBA and full protective gear for large fires. For very small fires extinguished by a fire extinguisher, SCBA may not be required.
LOWER EXPLOSION LIMIT (% BY VOL):	N/A
UPPER EXPLOSION LIMIT (% BY VOL.):	N/A
AUTO-IGNITION TEMPERATURE:	>400 °C (estimated)
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon, and sulphur.
SENSITIVITY TO STATIC DISCHARGE:	Ground and bond containers when transferring product.
SENSITIVITY TO MECHANICAL IMPACT:	N/A

SECTION FIVE – REACTIVITY DATA

CHEMICAL STABILITY:	Stable under normal use and storage.
INCOMPATIBLE MATERIAL:	Heat, ignition, oxidizing agents.
CONDITIONS OF REACTIVITY:	With incompatibles.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and Sulphur.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION SIX – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:	Inhalation, eyes, skin, ingestion
ACCUTE OVER EXPOSURE EFFECTS:	<p>INHALATION – High vapor concentrations are irritating to eyes, nose throat and lungs. May cause headaches and dizziness; may be anesthetic and may cause central nervous system effects. Avoid breathing vapors or mists. Hydrogen Sulphide gas may be released and cause irritation, breathing failure, coma and death without any warning being sensed.</p> <p>EYE CONTACT – Causes irritation. Will not injure eye tissue.</p> <p>SKIN CONTACT – Low toxicity. Frequent or prolonged contact may irritate the skin and cause a rash (dermatitis).</p> <p>INGESTION - Minimal Toxicity. Small amounts of this liquid, drawn into the lungs from swallowing or vomiting may cause severe health effects (e.g. bronchopneumonia or pulmonary edema).</p>
CHRONIC OVEREXPOSURE EFFECTS:	May contain n – hexane. Prolonged and repeated exposures may cause damage to the peripheral nervous system. Contains Benzene. Human health studies indicate prolonged and/or

repeated overexposure to benzene may cause damage to the blood producing system and serious blood disorder, including leukemia.

<i>SENSITIZATION:</i>	N/A
<i>CARCINOGENICITY:</i>	N/A
<i>MUTAGENICITY:</i>	N/A
<i>TERETOGENICITY:</i>	N/A
<i>REPRODUCTIVE TOXICITY:</i>	N/A
<i>SYNERGISTIC PRODUCTS:</i>	N/A

SECTION SEVEN – PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: CSA/MSA/NIOSH approved equipment: mist respirator; Rubber gloves and footwear: Splash goggles; Chemical/fire resistant wet suit. Coveralls.

SPECIFIC ENGINEERING CONTROLS: Use process enclosures, local ventilation or other means to keep airborne levels below exposure limits. Maintain eye wash and chemical shower nearby. Provide mechanical ventilation in confined spaces. Use explosion-proof equipment.

LEAK AND SPILL PROCEDURES: Keep public away. Eliminate sources of ignition. Ventilate area of leak or spill. Wear appropriate clothing as outlined above. Stop leak if without undue risk. Prevent spill from entering sewers, watercourses or low areas. Contain spill but do not use combustible material such as sawdust. Recover by pumping or use a suitable absorbent.

WASTE DISPOSAL: Disposal must be done in accordance with local, provincial and federal regulations.

HANDLING/STORAGE REQUIRMENTS: Keep in tightly closed containers stored in a cool, dry, well ventilated area. Protect against physical damage. Do not pressurize, heat or cut containers. DO NOT handle or store near flames or heat or incompatible materials. Static charge may build up; use proper grounding procedures when transferring materials. Maintain all cautions and warnings for empty containers. Use good Hygienic practices.

SPECIAL SHIPING INFORMATION: N/A

SECTION EIGHT – FIRST AID MEASURES

INHALATION: In emergency situations, use proper respiratory protection to rescue victims. If inhaled, remove to fresh air. If not breathing, administer artificial respiration. Seek medical assistance. Call a physician immediately.

INGESTION: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Keep at rest Call a physician immediately.

EYES: Flush eyes with gentle but large streams of water for at least 15 minutes, lifting lower and upper eye lids occasionally. If irritation persists, get medical attention.

SKIN:

Flush with large quantities of soapy water. Remove contaminated clothing and footwear. Wash before reuse. Consult a physician if irritation develops or persists.

SECTION NINE – CLASSIFICATION

SHIPPING NAMES:

PETROLEUM DISTILLATES, N.O.S.

TDGR Class (es):

Class 3, UN 1268, PG. I or II, ERAP – Not Required

WHMIS Class (es):

B2, D2A

DSL:

All components of this product are either on the Domestic substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

SECTION TEN – PREPARATION INFORMATION

Prepared by:

Trican Production Services

Phone Number: (403) 266-0202

Prepared on:

June 1, 1998

Supersedes:

July 14, 2005

Reviewed by:

Safety Publications Group

References:

1) Suppliers' Literature, 2) Trican Well Service, Research and Development, 3) NIOSH Pocket Guide to Chemical Hazards, 1997, 4) The University of Vermont SIRI MSDS Archives (ongoing updates)

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END OF MATERIAL SAFETY DATA