

# #10179 P.S. FLUSH KIT

## (8 PAGES)



**Wynn's Canada Ltd.** 7090 Edwards Blvd. Mississauga, Ontario Canada L5S 1Z1  
(905) 670-3881 Fax: (905) 670-3829

### MATERIAL SAFETY DATA SHEET

#### SECTION 01 : MATERIAL NAME/IDENTIFIER

**PRODUCT NAME** ..... X-TEND POWER STEERING SEALANT AND CONDITIONING FLUID (PART #10179)  
**MANUFACTURER** ..... WYNN'S CANADA LTD.  
 7090 EDWARDS BLVD.  
 MISSISSAUGA, ONTARIO L5S 1Z1  
 CHEMTREC 24 HOUR EMERGENCY TELEPHONE # (703) 527-3887 CALL COLLECT

CHEMICAL NAME..... NA  
 CHEMICAL FAMILY ..... HYDROCARBON BLEND  
 CHEMICAL FORMULA..... NA  
 TRADE NAME AND SYNONYMS ..... NA  
 MOLECULAR WEIGHT ..... NA  
 MATERIAL USE ..... POWER STEERING FLUID

#### SECTION 02: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROXIMATE CONDENSATION %	C.A.S., N.A. OR U.N. NUMBERS	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
PETROLEUM OIL	71.0	64742-58-1	NA	NA
PETROLEUM OIL	20.0	64741-97-5	NA	NA

#### SECTION 03: PHYSICAL DATA

PHYSICAL STATE ..... LIQUID  
 ODOUR THRESHOLD (P.P.M) ..... NA  
 SPECIFIC GRAVITY ..... 0.88  
 VAPOUR PRESSURE ..... NA  
 VAPOUR DENSITY (AIR=1)..... NA  
 EVAPORATION RATE ..... NA  
 BOILING POINT (°C)..... >260  
 FREEZING POINT (°C) ..... -34  
 SOLUBILITY IN WATER (20°C) ..... 0%  
 % VOLATILE (BY VOLUME) ..... 0%  
 pH ..... NA  
 COEFFICIENT OF WATER/OIL DISTRIBUTION ..... NA

**PRODUCT NAME** ..... X-TEND POWER STEERING SEALANT AND CONDITIONING FLUID

### SECTION 04: FIRE AND EXPLOSION DATA

FLAMMABILITY ..... NO

IF YES, UNDER WHICH CONDITIONS? ..... NA

MEANS OF EXTINCTION ..... DRY CHEMICALS, CARBON DIOXIDE , WATER FOG, FOAM.

SPECIAL PROCEDURES ..... USE WATER TO COOL FIRE EXPOSED CONTAINERS, FIRE FIGHTERS  
 ..... WEAR A SELF-CONTAINED BREATHING APPARATUS WHEN  
 ..... HYDROCARBONS ARE INVOLVED IN FIRE.

FLASHPOINT (°C) AND METHOD ..... 188°C CLEVELAND OPEN CUP ASTM D-92

UPPER EXPLOSION LIMIT (% BY VOLUME) ..... ND

LOWER EXPLOSION LIMIT (% BY VOLUME)..... ND

AUTOIGNITION TEMPERATURE (°C)..... ND

HAZARDOUS COMBUSTION PRODUCTS ..... OXIDES OF CARBON, NITROGEN, ZINC

#### EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT ..... NA

SENSITIVITY TO STATIC DISCHARGE ..... NA

### SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY ..... YES

IF NO, UNDER WHICH CONDITIONS? ..... HEAT OPEN FLAME

INCOMPATIBILITY TO OTHER SUBSTANCES ..... YES

IF SO, WHICH ONES? ..... WATER, OXIDIZING AGENTS

REACTIVITY AND UNDER WHAT CONDITIONS?..... NA

HAZARDOUS DECOMPOSITION PRODUCTS ..... OXIDES OF CARBON, NITROGEN, PHOSPHORUS, ZINC

### SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT..... YES

SKIN ABSORPTION.....

EYE CONTACT ..... YES

INHALATION..... YES

INHALATION CHRONIC .....

INGESTION..... YES

**PRODUCT NAME** ..... X-TEND POWER STEERING SEALANT AND CONDITIONING FLUID

EFFECTS OF ACUTE EXPOSURE : INHALATION: VAPORS GENERATED AT HIGH TEMPERATURE WILL CAUSE IRRITATION.  
SWALLOWING: MAY CAUSE VOMITING. MILD IRRITATION TO THE DIGESTIVE TRACT.  
SKIN CONTACT: PROLONGED CONTACT MAY CAUSE REDNESS OF SKIN TO SOME INDIVIDUALS.  
EYE CONTACT: MAY CAUSE IRRITATION, REDNESS, WATERY EYES, BLURRED VISION.

EFFECTS OF CHRONIC EXPOSURE : NONE CURRENTLY KNOWN.

EXPOSURE LIMITS .....5mg/m<sup>3</sup> AS A MIST

IRRITANCY OF MATERIAL .....SLIGHT IRRITANT TO THE EYES

SENSITIZATION OF MATERIAL.....NA

SYNERGISTIC MATERIALS .....NA

CARCINOGENICITY, REPRODUCTIVE EFFECTS,  
TERATOGENICITY, MUTAGENICITY .....NOT LISTED BY IARC, NTP, OSHA

**SECTION 07: PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT**

GLOVES (SPECIFY)..... OIL RESISTANT

EYE (SPECIFY) ..... SAFETY GLASSES

RESPIRATORY (SPECIFY) ..... NORMAL USE, NONE REQUIRED

OTHER (SPECIFY) ..... EYE WASH STATION

ENGINEERING CONTROLS..... LOCAL EXHAUST TO CONTROL MIST IF GENERATED.

LEAK AND SPILL PROCEDURE ..... CONTAIN LIQUID WITH INERT ABSORBENT. SHOVEL INTO WASTE  
..... CONTAINERS. KEEP LIQUID OUT OF SEWERS AND WATERWAYS.

WASTE DISPOSAL..... IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL AND  
..... LOCAL REGULATIONS.

HANDLING PROCEDURES AND EQUIPMENT..... CAUTION: COMBUSTIBLE LIQUID. HANDLE WITH CARE. AVOID SKIN  
..... AND EYE CONTACT. KEEP OUT OF REACH OF CHILDREN.

STORAGE REQUIREMENTS ..... STORE IN COOL DRY PLACE.

SPECIAL SHIPPING INFORMATION ..... PETROLEUM OIL NA 1270 ORM-D

**PRODUCT NAME** ..... X-TEND POWER STEERING SEALANT AND CONDITIONING FLUID

**SECTION 08: FIRST AID MEASURES**

SWALLOWING: DO NOT INDUCE VOMITING. GIVE 2 CUPS OF WATER. CALL A PHYSICIAN IMMEDIATELY.

SKIN: WASH AFFECTED AREA WITH SOAP AND WATER.

EYES: FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INHALATION: REMOVE PERSON TO FRESH AIR TO AVOID FURTHER INHALATION.

ADDITIONAL INFORMATION

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**SECTION 09: PREPARATION DATE OF M.S.D.S**

PREPARED BY ..... TECHNICAL DEPARTMENT

TELEPHONE NUMBER ..... (905) 670-3881

DATE..... 3/18/2011

**ADDITIONAL NOTES OR REFERENCES:**



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## MATERIAL SAFETY DATA SHEET

### SECTION 01 : MATERIAL NAME/IDENTIFIER

**PRODUCT NAME** ..... X-TEND POWER STEERING RACK AND PINION FLUSH  
**MANUFACTURER** ..... WYNN'S CANADA LTD.  
 7090 EDWARDS BLVD.  
 MISSISSAUGA, ONTARIO L5S 1Z1  
 EMERGENCY TELEPHONE # (905) 507-9966

**CHEMICAL NAME** ..... NA  
**CHEMICAL FAMILY** ..... HYDROCARBON BLEND  
**CHEMICAL FORMULA** ..... NA  
**TRADE NAME AND SYNONYMS** ..... NA  
**MOLECULAR WEIGHT** ..... NA  
**MATERIAL USE** ..... FLUSH POWER STEERING UNIT

### SECTION 02: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROXIMATE CONDENSATION %	C.A.S., N.A. OR U.N. NUMBERS	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
PETROLEUM OIL	45-50%	64742-58-1	NA	NA
PETROLEUM OIL	23-27%	68334-30-5	NA	NA

### SECTION 03: PHYSICAL DATA

**PHYSICAL STATE** ..... LIQUID  
**ODOUR THRESHOLD (P.P.M)** ..... NA  
**SPECIFIC GRAVITY** ..... 0.87  
**VAPOUR PRESSURE** ..... ND  
**VAPOUR DENSITY (AIR=1)** ..... ND  
**EVAPORATION RATE** ..... ND  
**BOILING POINT (°C)** ..... 162-399°  
**FREEZING POINT (°C)** ..... -26°  
**SOLUBILITY IN WATER (20°C)** ..... ND  
**% VOLATILE (BY VOLUME)** ..... 2.5Z5  
**pH** ..... NA  
**COEFFICIENT OF WATER/OIL DISTRIBUTION** ..... NA

**PRODUCT NAME** ..... X-TEND POWER STEERING RACK AND PINION FLUSH

### SECTION 04: FIRE AND EXPLOSION DATA

FLAMMABILITY ..... NO

IF YES, UNDER WHICH CONDITIONS? .....

MEANS OF EXTINCTION ..... DRY CHEMICALS, CARBON DIOXIDE, WATER FOG, FOAM.

SPECIAL PROCEDURES ..... USE WATER TO COOL FIRE EXPOSED CONTAINERS. FIRE FIGHTERS  
 ..... WEAR A SELF-CONTAINED BREATHING APPARATUS WHEN  
 ..... HYDROCARBONS ARE INVOLVED IN FIRE.

FLASHPOINT (°C) AND METHOD ..... 143°C CLOSED CUP ASTM D-93

UPPER EXPLOSION LIMIT (% BY VOLUME) ..... ND

LOWER EXPLOSION LIMIT (% BY VOLUME)..... ND

AUTOIGNITION TEMPERATURE (°C)..... ND

HAZARDOUS COMBUSTION PRODUCTS ..... OXIDES OF CARBON, NITROGEN, ZINC

#### EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT ..... NA

SENSITIVITY TO STATIC DISCHARGE ..... NA

### SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY ..... YES

IF NO, UNDER WHICH CONDITIONS? ..... HEAT, OPEN FLAME, SPARKS.

INCOMPATIBILITY TO OTHER SUBSTANCES ..... YES

IF SO, WHICH ONES? ..... WATER, SULFURIC, NITRIC ACIDS, SODIUM HYDROXIDE.

REACTIVITY AND UNDER WHAT CONDITIONS?..... NA

HAZARDOUS DECOMPOSITION PRODUCTS ..... OXIDES OF CARBON, NITROGEN, ZINC, UNIDENTIFIED ORGANIC  
 ..... COMPOUNDS.

### SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT.....

SKIN ABSORPTION..... YES

EYE CONTACT ..... YES

INHALATION..... YES

INHALATION CHRONIC .....

INGESTION.....

**PRODUCT NAME** ..... X-TEND POWER STEERING RACK AND PINION FLUSH

EFFECTS OF ACUTE EXPOSURE : INHALATION: VAPORS MAY CAUSE MILD IRRITATION TO THE UPPER RESPIRATORY TRACT.  
 SWALLOWING: MAY CAUSE VOMITING. IRRITATION TO THE DIGESTIVE TRACT.  
 SKIN CONTACT: PROLONGED CONTACT MAY CAUSE DRYING OF SKIN, REDNESS, IRRITATION.  
 EYE CONTACT: IRRITATION, REDNESS, BLURRED VISION.

EFFECTS OF CHRONIC EXPOSURE : NONE CURRENTLY KNOWN.

EXPOSURE LIMITS .....5mg/m<sup>3</sup> AS MIST

IRRITANCY OF MATERIAL .....SLIGHT IRRITANT TO THE EYES.

SENSITIZATION OF MATERIAL.....NA

SYNERGISTIC MATERIALS .....NA

CARCINOGENICITY, REPRODUCTIVE EFFECTS,  
 TERATOGENICITY, MUTAGENICITY .....NOT LISTED BY NTP, IARC, OSHA

## SECTION 07: PREVENTIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY)..... NITRILE GLOVES

EYE (SPECIFY) ..... SAFETY GLASSES

RESPIRATORY (SPECIFY) ..... NORMAL USE CONDITIONS. NONE REQUIRED.

OTHER (SPECIFY) ..... NONE SPECIAL UNDER NORMAL USE CONDITIONS, EYE WASH STATION.

ENGINEERING CONTROLS ..... LOCAL EXHAUST TO CONTROL MIST OR VAPORS

LEAK AND SPILL PROCEDURE ..... ISOLATE AREA AND RESTRICT ENTRY. COMBUSTIBLE. ELIMINATE  
 ..... SOURCES OF IGNITION. ABSORB SPILLED LIQUID WITH INERT  
 ..... ABSORBENT. SHOVEL INTO WASTE CONTAINERS. PREVENT LIQUID  
 ..... FROM ENTERING SEWERS AND WATERWAYS.

WASTE DISPOSAL..... IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL AND  
 ..... LOCAL REGULATIONS.

HANDLING PROCEDURES AND EQUIPMENT ..... CAUTION: COMBUSTIBLE LIQUID. HANDLE WITH CARE. AVOID  
 ..... CONTACT WITH SKIN AND EYES. KEEP OUT OF REACH OF CHILDREN.

STORAGE REQUIREMENTS ..... STORE IN COOL DRY PLACE.

SPECIAL SHIPPING INFORMATION ..... COMBUSTIBLE LIQUID UN 1270 ORM-D (PETROLEUM DISTILLATE)

**PRODUCT NAME** ..... X-TEND POWER STEERING RACK AND PINION FLUSH

**SECTION 08: FIRST AID MEASURES**

SWALLOWING: DO NOT INDUCE VOMITING. GIVE 2 CUPS OF WATER. CALL A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER.

EYES: FLUSH EYES WITH LARGE VOLUMES OF WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CALL FOR PHYSICIAN.

INHALATION: REMOVE PERSON TO FRESH AIR TO AVOID FURTHER INHALATION.

ADDITIONAL INFORMATION

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**SECTION 09: PREPARATION DATE OF M.S.D.S**

PREPARED BY ..... TECHNICAL DEPARTMENT

TELEPHONE NUMBER ..... (905) 670-3881

DATE..... 3/18/2011

**ADDITIONAL NOTES OR REFERENCES:**