

# BATTERY MAINTENANCE 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** ..... WYNN'S BATTERY CLEANER (PART #11701)  
**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 ..... NA  
 CHEMICAL FORMULA ..... NA  
 TRADE NAME AND SYNONYMS ..... NA  
 MOLECULAR WEIGHT ..... NA  
 MATERIAL USE ..... NA

### 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
TRIETHANOLAMINE	1-5	102-71-6	3700 ML/KG SKIN- RAT	NA
CAUSTIC SODA	1-5	1310-73-2	40 MG/KG INTRAPERITONEAL RAT	NA

### SECTION 03: PHYSICAL DATA

PHYSICAL STATE ..... LIQUID  
 ODOUR THRESHOLD (P.P.M) ..... NA  
 SPECIFIC GRAVITY ..... 1.007  
 VAPOUR PRESSURE ..... ND  
 VAPOUR DENSITY (AIR=1) ..... ND  
 EVAPORATION RATE ..... ND  
 BOILING POINT (°C) ..... 100<sup>0</sup>C  
 FREEZING POINT (°C) ..... NA  
 SOLUBILITY IN WATER (20°C) ..... SOLUBLE  
 % VOLATILE (BY VOLUME) ..... ND  
 pH ..... 9-10  
 COEFFICIENT OF WATER/OIL DISTRIBUTION ..... NA

**PRODUCT NAME** ..... WYNN'S BATTERY CLEANER

### SECTION 04: FIRE AND EXPLOSION DATA

FLAMMABILITY ..... NA

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

MEANS OF EXTINCTION ..... WATER, WATER SPRAY, DRY CHEMICALS, FOAM.

SPECIAL PROCEDURES ..... USE WATER TO COOL FIRE EXPOSED CONTAINERS. FIRE FIGHTERS  
..... WEAR SELF-CONTAINED BREATHING APPARATUS.

FLASHPOINT (°C) AND METHOD ..... NO FLASH

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

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

AUTOIGNITION TEMPERATURE (°C)..... NA

HAZARDOUS COMBUSTION PRODUCTS ..... NA

#### EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT ..... NA

SENSITIVITY TO STATIC DISCHARGE ..... NA

### SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY ..... YES

IF NO, UNDER WHICH CONDITIONS? .....

INCOMPATIBILITY TO OTHER SUBSTANCES ..... YES

IF SO, WHICH ONES?..... AVOID CONTACT WITH NITRITES.

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

HAZARDOUS DECOMPOSITION PRODUCTS ..... THERMAL DRCOMPOSITION MAY PRODUCE OXIDES OF CARBON AND  
..... NITROGEN,

### SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT..... YES

SKIN ABSORPTION..... YES

EYE CONTACT ..... YES

INHALATION..... YES

INHALATION CHRONIC ..... NA

INGESTION..... YES

**PRODUCT NAME** ..... WYNN'S BATTERY CLEANER

**EFFECTS OF ACUTE EXPOSURE :**

**INGESTION: DO NOT SWALLOW.** SWALLOWING MAY CAUSE IRRITATION TO MOUTH, THROAT, AND STOMACH.

**SKIN:** MAY CAUSE MILD LOCAL IRRITATION DEPENDING ON THE DURATION OF CONTACT.

**EYE CONTACT:** MAY CAUSE MODERATE IRRITATION, DISCOMFORT. SIGNS AND SYMPTOMS INCLUDE REDNESS, BLURRED VISION AND STINGING.

**INHALATION:** PROLONGED EXPOSURE MAY CAUSE SLIGHT IRRITATION OF THE RESPIRATORY TRACT.

**EFFECTS OF CHRONIC EXPOSURE:** THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA. PROLONGED EXPOSURE TO VAPOURS GENERATED ONLY AT ELEVATED TEMPERATURES CAN CAUSE RESPIRATORY DISCOMFORT, IRRITATION, NAUSEA. PROLONGED CONTACT WITH SKIN CAN CAUSE IRRITATION, DEFATTING OF SKIN, REDNESS. REPEATED OVEREXPOSURE MAY AGGRAVATE PRE-EXISTING SKIN AND RESPIRATORY DISORDERS.

EXPOSURE LIMITS ..... NA

IRRITANCY OF MATERIAL ..... NA

SENSITIZATION OF MATERIAL ..... NA

SYNERGISTIC MATERIALS ..... NA

CARCINOGENICITY, REPRODUCTIVE EFFECTS,  
TERATOGENICITY, MUTAGENICITY ..... THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A  
..... CARCINOGEN BY NTP, IARC OR OSHA.

## SECTION 07: PREVENTIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY) ..... CHEMICAL RESISTANT GLOVES.

EYE (SPECIFY) ..... SAFETY GLASSES WITH SIDE SHIELD.

RESPIRATORY (SPECIFY) ..... NORMAL USE, NONE REQUIRED. IF VAPOURS EXCEED TLV/PEL VALUES,  
..... USE A NIOSH APPROVED RESPIRATOR.

OTHER (SPECIFY) ..... EYE WASH STATION, SAFETY SHOWER.

ENGINEERING CONTROLS ..... LOCAL VENTILATION IS NEEDED AT ELEVATED TEMPERATURES.

LEAK AND SPILL PROCEDURE ..... SMALL SPILLS ABSORB WITH ABSORBENT MATERIAL. SHOVEL  
..... INTO WASTE CONTAINERS. PREVENT PRODUCT FROM ENTERING  
DRINKING ..... WATER SUPPLIES AND SEWERS.

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

HANDLING PROCEDURES AND EQUIPMENT ..... CAUTION: MAY CAUSE SKIN IRRITATION. AVOID CONTACT WITH  
SKIN AND EYES. AVOID CONTACT WITH NITRITES. TERTIARY AMINES  
MAY REACT WITH NITRITES TO FORM NITROSAMINES WHICH ARE  
KNOWN CARCINOGENS. FOR INDUSTRIAL USE ONLY.

STORAGE REQUIREMENTS ..... STORE IN COOL DRY PLACE. DO NOT STORE IN OPENED CONTAINERS.  
..... DO NOT FREEZE PRODUCT. USE ENTIRE CONTENTS.

SPECIAL SHIPPING INFORMATION ..... NOT REGULATED

**PRODUCT NAME** ..... WYNN'S BATTERY CLEANER

**SECTION 08: FIRST AID MEASURES**

**SWALLOWING:** DO NOT INDUCE VOMITING. CALL FOR MEDICAL HELP.

**SKIN:** WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH BEFORE REUSE. IF IRRITATION PERSISTS, CALL FOR MEDICAL HELP.

**INHALATION:** REMOVE PERSON TO FRESH AIR.

**EYES:** IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CALL FOR MEDICAL HELP.

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:**

THIS INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.



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## MATERIAL SAFETY DATA SHEET

### SECTION 01 : MATERIAL NAME/IDENTIFIER

**PRODUCT NAME** ..... WYNN'S BATTERY TERMINAL PROTECTOR PADS (PART #21401)  
**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** ..... NA  
**CHEMICAL FORMULA** ..... NA  
**TRADE NAME AND SYNONYMS** ..... NA  
**MOLECULAR WEIGHT** ..... NA  
**MATERIAL USE** ..... NA

### SECTION 02: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROXIMATE CONDENSATION %	C.A.S., N.A. OR U.N. NUMBERS	OSHA PEL	ACGIH TLV-TWA
PETROLEUM HYDROCARBON	5-10	64742-95-3	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>
PETROLEUM HYDROCARBON	1-5	64742-65-0	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>

### SECTION 03: PHYSICAL DATA

**PHYSICAL STATE** ..... RED PAD  
**ODOUR THRESHOLD (P.P.M)** ..... ND  
**SPECIFIC GRAVITY** ..... NA  
**VAPOUR PRESSURE** ..... NA  
**VAPOUR DENSITY (AIR=1)** ..... >1  
**EVAPORATION RATE** ..... NA  
**BOILING POINT (°C)** ..... >316°C  
**FREEZING POINT (°C)** ..... NA  
**SOLUBILITY IN WATER (20°C)** ..... NEGLIGIBLE  
**% VOLATILE (BY VOLUME)** ..... NEGLIGIBLE  
**pH** ..... NA  
**COEFFICIENT OF WATER/OIL DISTRIBUTION** ..... NA

**PRODUCT NAME** ..... WYNN'S BATTERY TERMINAL PROTECTOR PADS

### SECTION 04: FIRE AND EXPLOSION DATA

FLAMMABILITY ..... NA

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 USE  
..... A SELF CONTAINED BREATHING APPARATUS.

FLASHPOINT (°C) AND METHOD ..... 278°C

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

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

AUTOIGNITION TEMPERATURE (°C) ..... ND

HAZARDOUS COMBUSTION PRODUCTS ..... COMBUSTION WILL PRODUCE SMOKE AND TOXIC FUMES.

#### EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT ..... NA

SENSITIVITY TO STATIC DISCHARGE ..... NA

### SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY ..... STABLE

IF NO, UNDER WHICH CONDITIONS? .....

INCOMPATIBILITY TO OTHER SUBSTANCES ..... YES

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

REACTIVITY AND UNDER WHAT CONDITIONS? ..... HEAT, OPEN FLAME.

HAZARDOUS DECOMPOSITION PRODUCTS ..... THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON,  
..... SULFUR AND NITROGEN.

### SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT ..... YES

SKIN ABSORPTION ..... NA

EYE CONTACT ..... YES

INHALATION ..... YES

INHALATION CHRONIC ..... NA

INGESTION ..... YES

**PRODUCT NAME**.....WYNN'S BATTERY TERMINAL PROTECTOR PADS

**EFFECTS OF ACUTE EXPOSURE:**

**INGESTION (SWALLOWING):** DO NOT SWALLOW. MAY CAUSE SLIGHT IRRITATION TO DIGESTIVE TRACT.

**SKIN:** CAN CAUSE IRRITATION.

**EYE CONTACT:** MAY CAUSE IRRITATION TO THE EYES ON DIRECT CONTACT

**INHALATION:** VAPOURS GENERATED AT ELEVATED TEMPERATURES CAN CAUSE IRRITATION TO RESPIRATORY TRACT.

**EFFECTS OF CHRONIC EXPOSURE:**THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA. PROLONGED AND REPEATED CONTACT WITH SKIN MAY CAUSE MILD IRRITATION AND INFLAMMATION.

EXPOSURE LIMITS .....NA

IRRITANCY OF MATERIAL .....NA

SENSITIZATION OF MATERIAL.....NA

SYNERGISTIC MATERIALS .....NA

CARCINOGENICITY, REPRODUCTIVE EFFECTS,  
TERATOGENICITY, MUTAGENICITY ..... THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A  
..... CARCINOGEN BY NTP, IARC OR OSHA.

**SECTION 07: PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT**

GLOVES (SPECIFY)..... CHEMICAL-RESISTANT

EYE (SPECIFY) ..... SAFETY GLASSES

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

OTHER (SPECIFY)..... NONE

ENGINEERING CONTROLS..... NONE

LEAK AND SPILL PROCEDURE ..... USE ABSORBENT SAND, CLAY OR VERMICULITE. SHOVEL INTO  
..... CONTAINERS. PREVENT LIQUID FROM ENTERING INTO SEWERS AND  
..... WATERWAYS.

WASTE DISPOSAL..... DISPOSE OF IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL  
..... REGULATIONS.

HANDLING PROCEDURES AND EQUIPMENT..... CONTAINS PETROLEUM DISTILLATE. AVOID SKIN AND EYE CONTACT.  
..... KEEP AWAY FROM HEAT OR FLAME. KEEP AWAY FROM CHILDREN.

STORAGE REQUIREMENTS ..... DO NOT STORE OPENED CONTAINERS. USE ENTIRE CONTENTS.

SPECIAL SHIPPING INFORMATION ..... NOT REGULATED

**PRODUCT NAME** ..... WYNN'S BATTERY TERMINAL PROTECTOR PADS

**SECTION 08: FIRST AID MEASURES**

**INGESTION (SWALLOWING):** DO NOT INDUCE VOMITING. CALL FOR MEDICAL HELP.

**SKIN CONTACT:** WASH AFFECTED AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, CALL FOR MEDICAL HELP.

**EYE CONTACT:** FLUSH EYES WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CALL FOR MEDICAL HELP.

**INHALATION:** REMOVE 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

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