

# MATERIAL SAFETY DATA SHEET

Mariner's Choice International, Inc.

Wipe-N-Clean Citrus Power

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** Wipe-N-Clean Citrus Power      **PRODUCT USE:** General Purpose Cleaner  
**MANUFACTURER:** Mariner's Choice International, Inc. (Canada)      **MANUFACTURER:** Mariner's Choice International, Inc. (USA)  
**ADDRESS:** 26 Voyager Court South      **ADDRESS:** 4856 Victor Street, Suite A  
Toronto, Ontario M9W 5M7      Jacksonville, FL 32207  
**EMERGENCY # :** 613-996-6666 (CANUTEC)

## SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS#	(wt.)%	Exposure Limits	LD50/I50 Specify Species & Route
Nonionic Surfactant	9016-45-9	7-13	N/AV	LD50 (oral, rat) 3000 mg/kg LC50 (dermal, rabbit) 2830 mg/kg
Ethylene Glycol Monobutyl Ether	111.76.2	7-13	TLV=25ppm skin (ACGIH 1987 & 1988)	LD50 (oral, rat) 1480 mg/kg LC50 =450 ppm/4 <sup>th</sup> (rat)
D-Limonene	5989-27-5	5-10	N/AV	800mg/kg LC50 n/av LD50 4400 mg/kg (oral, rat)

## SECTION III - HAZARDOUS IDENTIFICATION

**Route of Entry :**  
**Skin Contact:** Yes  
**Skin Absorption:** n/a  
**Inhalation, Chronic:** n/a  
**Inhalation:** n/a  
**Ingestion:** Yes  
**Eye Contact:** n/a  
**Effects of Acute Exposure:** n/a  
**Effects of Chronic Exposure:** n/a

## SECTION IV - PHYSICAL DATA

**Physical State :** Liquid  
**Odor and appearance :** citrus odor slightly viscous  
**Specific gravity :** 1.02  
**Coefficient of water/oil distribution :** n/a  
**Vapor pressure (mm Hg) :** Not available  
**Boiling point :** 100° C  
**Freezing point:** 0° C  
**pH :** 12.2 +/- 0.5  
**Vapor density (Air = 1) :** Not available  
**Evaporation rate (BuAe = 1) :** .01  
**Flash point:** Not available  
**Volatiles, % :** <85  
**Solubility in water :** completely soluble

# MATERIAL SAFETY DATA SHEET

Mariner's Choice International, Inc.

Wipe-N-Clean Citrus Power

## SECTION V - FIRE AND EXPLOSION DATA

Conditions of flammability : No  
If Yes under which Conditions?  
Means of extinction : n/a  
Sensitivity to mechanical impact/static discharge : Not available  
Flash point (Method) : none  
Upper flammable limit % : n/a  
Lower flammable limit % : n/a  
Auto-ignition temperature : n/a  
Hazardous Combustion Products : Oxides of carbon  
Special Fire Fighting Procedures : No special procedure. Same as for surrounding material, use self contained breathing apparatus.

## SECTION VI - REACTIVITY DATA

Chemical Stability: Yes  
Incompatible materials : Strong oxidizing agents.  
Conditions of reactivity : n/a  
Hazardous decomposition products : oxides of carbon  
Hazardous polymerization: n/a

## SECTION VII - FIRST AID

Inhalation : n/a  
Skin : Wash with soap and water.  
Eyes : Flush with water for 15 minutes. If irritation persists seek medical attention.  
Ingestion: Do not induce vomiting. Seek medical attention immediately.

## SECTION VIII - HMIS Rating

(0 - 4: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme)

Health : 1  
Flammability : 1  
Reactivity: 1  
Personal Protection: B (goggles and gloves)

## SECTION IX - PREVENTIVE MEASURES

Spill, leak or release : Flush with water.  
Waste disposal : Neutralize to pH .9 before disposal. Dispose according to local regulations.

### \*\*\* PROTECTIVE EQUIPMENT \*\*\*

Respiratory protection: none  
Ventilation: normal  
Protective gloves : rubber or vinyl  
Protective clothing : rubber apron  
Protective footwear : none special  
Eye protection : Goggles if eye contact possible

Other protective equipment :

# MATERIAL SAFETY DATA SHEET

Mariner's Choice International, Inc.

Wipe-N-Clean Citrus Power

## \*\*\* STORAGE and HANDLING \*\*\*

### Storage and handling conditions :

**Handling :** No special precaution.

**Storage :** Store at ambient temperature in a sealed container.

### Special Shipping Information : **None**

### Abbreviations :

N/AV : not available

N/AP : not applicable

IARC : International Agency for Research on Cancer.

ACGIH : American Conference of Governmental Industrial Hygienists.

TLV : Threshold Limit Values.

NIOSH : National Institute of Occupational Safety and Health.

TDG : Transportation of Dangerous Goods Regulation.

BuAe : n-butyl acetate.

### References :

- 1.) ACGIH, Threshold Limit Values and Biological Exposure Indices for 1988-89.
- 2.) International Agency for Research on Cancer Monographs, Supplement 7, 1988.
- 3.) Canadian Centre for Occupational Health and Safety. Cheminfo Database.
- 4.) Material Safety Data Sheets of raw materials.
- 5.) N. Irving Sax. Dangerous Properties of Industrial Materials. Sixth Edition.

## SECTION X - PREPARATION INFORMATION

### Additional Information:

**MARINER'S CHOICE INTERNATIONAL, INC. assumes no responsibility by its issuance of this information.**

**Prepared by :** MARINER'S CHOICE INTERNATIONAL, INC.

**Telephone # :** (416) 238 3510

**Preparation date:** May 25, 2007