

## **MATERIAL SAFETY DATA SHEET**

### **I - IDENTIFICATION AND USE**

PRODUCT NAME: **OVEN AND GRILL CLEANER**  
PRODUCT USE: OVEN, FRYER AND GRILL CLEANER  
  
SUPPLIER: STARK INDUSTRIAL SOLUTIONS  
527 DUNDONALD STREET  
#133  
HALIFAX, NS B3J 3L7  
Tel: (888) 709-8881

**24 HOUR EMERGENCY NUMBER: ECO-CHOICE INDUSTRIES (905) 532-9100**

### **II - HAZARDOUS INGREDIENTS OF PRODUCT**

<u>CHEMICAL IDENTITY</u>	<u>CAS#</u>	<u>%</u>	<u>LD50</u> <u>LC50</u>
POTASSIUM HYDROXIDE	1310-58-3	15-25	RAT ORAL 365MG/KGM

### **III - PHYSICAL DATA FOR PRODUCT**

PHYSICAL STATE:	LIQUID
ODOUR & APPEARANCE:	CLEAR LIQUID; SLIGHT LEMON ODOUR
SOLUBILITY IN WATER:	INFINITE
PH:	13.9 +/- 0.4
SPECIFIC GRAVITY	1.2 +/- 0.02 GM/cm <sup>3</sup>
VAPOUR PRESSURE	<25 AT 20 C
VAPOUR DENSITY	WATER
EVAPORATION RATE	WATER
BOILING POINT	100 C
FREEZING POINT	0 C
% VOLATILE	76 1

### **IV - FIRE AND EXPLOSION HAZARD**

FLAMMABILITY:	NO
MEANS OF EXTINCTION:	NONE REQUIRED
OTHER FIRE AND EXPLOSION DATA:	N/A
UPPER EXPLOSION LIMIT:	N/A
LOWER EXPLOSION LIMIT:	N/A
HAZARDOUS COMBUSTION PROD:	NONE

### **V - REACTIVITY DATA**

CHEMICAL STABILITY:	YES
INCOMPATIBILITY MATERIALS:	ORGANIC CHEMICALS, NITROCARBONS, HALOCARBONS AND METALS SUCH AS ALUMINUM, ZINC AND TIN
CONDITIONS TO AVOID:	FLAMMABLE HYDROGEN GAS MAY BE GENERATED WHEN PRODUCT REACTS WITH METALS AND ALLOYS MENTIONED ABOVE

### **VI - TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY:	SKIN CONTACT	LONG TERM
	EYE CONTACT	YES
	INGESTION	YES

INHALATION

YES

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: EYE: CORROSIVE. BRIEF CONTACT CAUSES EYE DAMAGE AND PROLONGED CONTACT MAY CAUSE EYE INJURY WHICH MAY BE FOLLOWED BY BLINDNESS.

SKIN: CORROSIVE TO THE SKIN AND RAPIDLY CAUSES CHEMICAL BURNS

INGESTION: BURNS, EXTREME PAIN, PERMANENT DAMAGE INHALATION: MISTS ARE CORROSIVE TO THE RESPIRATORY TRACT.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: DESTRUCTION OF SKIN TISSUE OR PRIMARY IRRITANT DERMATITIS. INHALATION OF MISTS MAY CAUSE VARYING DEGREES OF DAMAGE TO THE AFFECTED TISSUES AND ALSO INCREASING SUSCEPTIBILITY TO RESPIRATORY ILLNESS

LD50 OF MATERIAL: LD50 ORAL RAT 2000 MG/KGM. LD50 RABBIT DERMAL 3200 MG/KGM

EXPOSURE LIMITS: 11 MG/M AVERAGED OVER 8 HOURS

IRRITANCY OF MATERIAL: EYES, SKIN, RESPIRATORY TRACT

SANITIZATION OF MATERIAL: EYES, SKIN, RESPIRATORY TRACT

SYNERGISTIC MATERIALS: TRICHLOROETHYLENE

CARCINOGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: NONE KNOWN

## VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES PLASTIC OR RUBBER

EYE PLASTIC GOGGLES OR SAFETY GLASSES

RESPIRATORY FOR MOST JOBS RESPIRATORY PROTECTION MAY NOT BE REQUIRED.

HOWEVER, A SPRAY APPLICATION WILL CREATE MISTS. FOR SUCH AN APPLICATION IN ABSENCE OF PROPER NORMAL VENTILATION. USE OF NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS MAY BE REQUIRED.

- OTHER PROTECTIVE CLOTHING (ALKALI RESISTANT) IS RECOMMENDED WHENEVER THERE IS A POSSIBILITY OF LARGE AMOUNTS OF THIS PRODUCT THAT COULD COME IN CONTACT WITH CLOTHING OR SKIN.

ENGINEERING CONTROLS: GENERAL VENTILATION OR LOCAL FOR SPRAY APPLICATIONS

LEAK AND SPILL PROCEDURE:

SMALL SPILLS: MAY BE FLUSHED WITH COPIOUS AMOUNTS OF WATER

LARGE SPILL: MUST NEUTRALIZE PRIOR TO ALLOWING INTO SANITARY SYSTEM. CONSULT APPROPRIATE FEDERAL AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES

HANDLING PROCEDURES AND EQUIPMENT: HANDLE WITH CARE. AVOID ANY CONTACT WITH EYES, SKIN. AVOID INHALATION OF MISTS. WASH THOROUGHLY AFTER HANDLING SPECIAL SHIPPING INFORMATION: SODIUM HYDROXIDE, SOLUTION CLASS 8(9.2)

STORAGE REQUIREMENTS: STORE IN A COOL PLACE IN CLOSED CONTAINERS AWAY FROM CHILDREN. STORE AT ABOVE 0 C. PIN# 1814 PKG. II.

## VIII - FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH LARGE AMOUNTS OF WATER LIFTING UPPER AND LOWER LIDS OCCASIONALLY. SEEK MEDICAL ATTENTION, IF IRRITATION PERSISTS.

SKIN: WASH AND FLUSH GENEROUSLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.

INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LOTS OF WATER OR MILK, THEN

DILUTE VINEGAR, LEMON JUICE OR ORANGE JUICE. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. CALL A PHYSICIAN AND/OR TRANSPORT TO A MEDICAL FACILITY

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**PREPARED BY: ECO-CHOICE INDUSTRIES LAB GROUP**

<b>DATE:</b>	MAY 2015
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