SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product identifier/Trade name: IMPACT OVEN AND GRILL CLEANER

Product code/Internal Identification: CCI G200

Product use/Description: OVEN AND GRILL CLEANER

Supplier identifier:
Chemotec (PM) Inc.
8820 Place Ray Lawson
Anjou, Québec, Canada H1J 1Z2
Phone: (514) 729-6321; 1-800-729-6321

Manufacturer identifier:
Chemotec (PM) Inc.
8820 Place Ray Lawson
Anjou, Québec, Canada H1J 1Z2
Phone: (514) 729-6321; 1-800-729-6321

Emergency phone number:
(613) 996-6666 (CANUTEC)

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	ACGIH TLV	OSHA PEL
Sodium hydroxide	1310-73-2	10-30	2 mg/m^3	2 mg/m^3
Phosphate esters of alcohol ethoxylate	68585-36-4	1-5	None established	None established

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview

Clear liquid; fragrance free. CAUTION. May cause eye and skin burns and irritation. Also corrosive by ingestion or inhalation of mists from product.

POTENTIAL HEALTH EFFECTS (for more details, refer to Section 11)

Primary entry route(s): Eye, skin, inhalation and ingestion.

Eye: Severe irritation. Corrosive product: burns

Skin: Corrosive. Severe irritation and burns on skin..

Inhalation: Breathing high concentrations may cause headache, nausea, vomiting, dizziness and burns of superior respiratory tract.

Ingestion: Corrosive. May cause severe burns of mouth, throat and stomach. Severe scarring of tissue.

Long-term (chronic) exposure: Prolonged contact with the product may cause dryness, irritation.

Conditions aggravated by exposure: No applicable information found.

Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards: For further information, see TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects: See ECOLOGICAL INFORMATION, Section 12.

SECTION 4 - FIRST AID MEASURES

Eye contact:
Immediately rinse with plenty of water for 15 minutes, keeping eyelids open. If irritation persists, repeat flushing and seek medical attention immediately.

Skin contact:
Rinse with water. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

Inhalation:
Bring the person to fresh air. Seek medical attention if discomfort persists.

Ingestion:
If conscious, give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability:
Not flammable under normal handling conditions. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flash point (Method): None
Lower flammable limit (% by volume): N/Av
Upper flammable limit (% by volume): N/Av.
Explosion data - Sensitivity to mechanical impact: Probably not sensitive
Explosion data - Sensitivity to static discharge: Probably not sensitive
Auto-ignition temperature: N/Av

Suitable extinguishing media:
Water, foam, dry chemicals, carbon dioxide.

Special fire-fighting procedures/equipment:
During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

Hazardous combustion products:
Oxides of carbon, phosphorus, sulfur and other irritating gases.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:
Wear adequate personal protective equipment (See Section 8).

Spill response/Cleanup:
Wear personal protective equipment. Stop the leak if you can do so without risk. Pump the product into drums for disposal; or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water.

Environmental precautions:
Biodegradable.

Prohibited materials: N/Av
Special spill response procedures: N/Av

SECTION 7 - HANDLING AND STORAGE

Safe handling procedures:

Before handling, it is important that engineering controls are operating and that protective equipment requirement and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Avoid inhaling vapours or mists. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Keep containers closed when not in use. Do not use with incompatible materials such as strong oxidizing agents or strong acids.

Storage requirements:

Store in a tightly sealed container, in a well ventilated room. Do not store with food products. Keep from freezing.

Special packaging materials: N/Ap

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls:

Normal ventilation.

Respiratory Protection:

Not required under normal applications. In case of prolonged contact, or if engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.

Skin protection and other protective equipment:

Use impervious (rubber or nitrile) gloves. Wear waterproof boots for prolonged contact with spills.

Eye / face protection:

Wear protective chemical safety goggles to manipulate large quantities.

General hygiene considerations:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material.

Permissible exposure levels: For individual ingredient exposure levels, see Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state, colour and odour: Clear liquid, fragrance-free.
Odour threshold: N/Av
pH : Approx. 13
Boiling point: Approximately 100 ^{o}C
Melting/freezing point: Approximately 0°C
Vapour pressure: Approximately 20 mm Hg (water)
Solubility in water: Complete.
Coefficient of oil/water distribution: N/Av
Specific gravity or density (water = 1, at 4 ^{o}C): 1.12 @ 20 ^{o}C
Vapour density: Approximately 0.6 (water)
Evaporation rate: Approximately 0.4 (water)
% volatile by volume: Not available
Viscosity: < 100 cps @ 25 ^{o}C

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity:
Stable at room temperature, in normal handling and storage conditions.

Polymerisation: Hazardous polymerization will not occur.

Conditions to avoid:
Avoid strong oxidizing agents and strong acids.

Materials to avoid:
Reactivity and Under What Conditions: May evolve heat, violent reaction with acids. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

Hazardous decomposition products:
See under Materials to avoid

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data: The calculated LD_{50} for this product is greater than 800 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD_{50} (route, species)	LC_{50} # hours (species)
Sodium hydroxide	100 mg/kg (oral, rat) 1350 mg/kg (dermal,rat)	N/Av
Phosphate esters of alcohol ethoxylate	1530 mg/kg (oral,rat)	N/Av

For more details, refer to Section 3.
Carcinogenicity: No ingredient listed by IARC, ACGIH, NTP and OSHA as a possible carcinogen.
Teratogenicity, mutagenicity, other reproductive effects: N/Av
Skin sensitization: N/Av
Respiratory tract sensitization: N/Av
Synergistic materials: N/Av
Other important hazards: N/Av

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects: Product is expected to be biodegradable.
Important environmental characteristics: Product is expected to be biodegradable. Contains phosphates.
Aquatic toxicity: There is no test data on this product.

SECTION 13 - WASTE DISPOSAL

Handling and storage conditions for disposal:
Store material for disposal as indicated in Handling and Storage (Section 7).

Methods of disposal:

Dispose according to existing federal, provincial and municipal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods (TDG) in Canada :

Proper shipping name:	CORROSIVE LIQUID BASIC, INORGANIC, N.O.S. (sodium hydroxide).
Class:	8
Identification number:	UN3266
Packing group:	II
Special case:	N/Ap

SECTION 15 - REGULATORY INFORMATION

In Canada

WHMIS information:

Product is regulated according to the Controlled Product Regulation (CPR) in Canada. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

WHMIS Classification: E - Corrosive

CEPA information: Ingredients are listed on the DSL inventory.

Other information:

HMIS:	0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe
Health Hazard:	3
Fire Hazard:	1
Reactivity:	2
Personal Protection:	(See section 8.)
NFPA:	0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe
Fire Hazard:	1
Reactivity:	2
Specific Hazard:	None

SECTION 16 - OTHER INFORMATION

Prepared by: Chemotec (PM) Inc.
Phone number: (514) 729-6321
Date: 2013-08-20

References:

1. Manufacturer'/suppliers' MSDS.
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
3. International Agency for Research on Cancer Monographs, searched 2006.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not Available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS