Safety Data Sheet Sections

SECTION 1: IDENTIFICATION	
Product Trade Name:	Maxim Oven & Grill
Product Code:	1100435
Recommended Use:	High alkaline oven & grill cleaner
Restrictions on Use:	For Food Plant, Industrial and Institutional use only
Manufacturer Name:	Project Clean Inc.
Manufacturer Address:	1607 Derwent Way, Delta, B.C. Canada V3M 6K8
Manufacturer Phone Number:	800-663-9925
Email Address of Competent Person Responsible for the SDS:	regulatory@projectclean.com
Emergency Phone Number/ 24-Hour Number:	**For Transportation Emergencies:** Canutec 613-996-6666 **Emergency Response Services**: Chemtrec 800-424-9300

Back to Top

SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	CORROSIVE TO METALS – Category 1
Health Hazards:	CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
Label Elements:	
Signal word:	DANGER
Hazard Statement:	H290 May be corrosive to metals.
	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
PRECAUTIONARY STATEMENTS	
Prevention:	P234 Keep only in original packaging.
	P260 Do not breathe dusts or mists.
	P264 Wash hands and affected area thoroughly after handling.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
Responses:	P390 Absorb spillage to prevent material damage.
	P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

SECTION 2: HAZARD IDENTIFICATION	
	P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P363 Wash contaminated clothing before reuse.
	P304 + P340 + P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
	P321 Specific treatment (see supplemental first aid information on this label).
	P305 + P351 + P338 + P317 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
Storage:	P405 Store locked up.
	P406 Store in a corrosion resistant container with a resistant inner liner.
Disposal:	P501 Dispose of contents/ container to an approved waste disposal plant.

Back to Top

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	**Approx. Wt.%**	**CAS Number**
Sodium Hydroxide	10-30	1310-73-2
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid, Sodium Salt	1-5	68610-64-0

SECTION 4: FIRST-AID MEASURES	
General Information:	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Immediately flush exposed area with plenty of water for at least 10 minutes. If irritation persists, or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse.
Eye Contact:	Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately.
Ingestion:	Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.

SECTION 4: FIRST-AID MEASURES	
Self-Protection of the First Aider:	Remove all sources of ignition. Ensure that first aid personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Most Important Symptoms/ Effects, Acute and Delayed:	**Ingestion:** Cause serious chemical injuries to upper gastrointestinal tract. **Inhalation:** May injure the pulmonary epithelium at various levels of the respiratory tract. **Eyes and skin:** Corrosive to eyes and skin. Burn and destroy body tissues on contact.
If irritation occurs or persists, get medical attention.	

Back to Top

SECTION 5: FIRE-FIGHTING MEASURES	
Extinguishing Media:	Use extinguishing media suitable for surrounding fire.
Flammability:	Not flammable.
Flash Point:	Not flammable.
Special Firefighting Procedures:	Wear full protective equipment including a NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
Unusual Fire / Explosion Hazards:	Reacts violently with many organic chemicals, especially nitro carbons and chlorocarbons. May react with zinc, aluminum, tin and other active metals liberating flammable hydrogen gas. Dilution in water evolves large amounts of heat.
Hazardous Decomposition Products:	Oxides of carbon, phosphorus, sodium.

Back to Top

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Environmental Protection Precautions:	Do not release to the environment or water source.
Steps to be Taken in Case Material is Released or Spilled:	Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

Back to Top

SECTION 7: HANDLING AND STORAGE	
Precautions to be Taken in Handling and Storage:	Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Keep out of reach of children. Store at temperatures below 30°C and above 5°C. Do not store in metal containers.

Back to Top

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION		
EXPOSURE LIMITS:		
OSHA (PEL): N/A	ACGIH TLV: N/A	Other exposure limit: N/A
INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT		
Appropriate Engineering Controls:	Mechanical ventilation (dilution or local exhaust).	
Skin Protection:	Hand Protection: Butyl rubber, neoprene, latex or nitrile gloves. Other Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Appropriate footwear should be selected based on the task being performed and the risks involved.	
Eye and Face Protection:	Use chemical goggles or safety glasses.	
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.	
Other Protective Equipment:	Eye wash, safety shower and full protective clothing recommended in the immediate work area.	

Back to Top

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Clear, colourless liquid.
Odour:	Mild odour. No added fragrance.
Odour threshold:	N/A
pH:	> 13.0
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	100°C approximate.
Flash Point:	>100°C
Evaporation Rate (Water=1):	<1
Flammability:	Not flammable.
Upper/Lower flammability or explosive limits:	None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Vapour pressure:	N/A
Vapour density:	N/A
Relative density/Specific gravity (Water = 1):	1.16 @ 20°C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable.
Decomposition temperature:	N/A
Viscosity:	Thin like water.
VOCs%:	N/A

Back to Top

SECTION 10: STABILITY AND REACTIVITY	
Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions
Possibility of hazardous reactions:	N/A
Conditions to avoid:	Temperatures above 30°C and below 5°C.
Incompatibility:	Incompatible with acid, metals and alloys, zinc, tin, aluminum, organic chemicals, nitrocarbons, halocarbons..
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, sodium.

Back to Top

SECTION 11: TOXICOLOGICAL INFORMATION	
Likely routes of exposure:	Skin contact, skin absorption, eye contact, inhalation, ingestion.
Symptoms:	SKIN CONTACT: May cause severe burns to skin. EYE CONTACT: May cause burns & serve eye damage. INHALATION: Mists may be irritant & cause burns to the respiratory tract. INGESTION: May cause severe burns to the digestive system.
Acute Toxicity Estimates:	LD_{50} Oral ATE > 2000 mg/kg
	LD_{50} Dermal ATE > 2000 mg/kg
	LD_{50} Inhalation ATE: N/A
Skin Sensitization:	Data available on components indicates no potential skin sensitization.

SECTION 11: TOXICOLOGICAL INFORMATION	
Germinal Cell Mutagenicity:	Data available on components indicates no potential germinal cell mutagenicity.
Reproductive Toxicity:	Data available on components indicates no potential reproductive toxicity.
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.
Aspiration Hazard:	Data available on components indicates no potential aspiration hazard.

Back to Top

SECTION 12: ECOLOGICAL INFORMATION	
Toxicity to Fresh Water Algae:	N/A
Toxicity to Fish Species:	**Sodium Hydroxide (CAS# 1310-73-2):** LC_{50} (Oncorhynchus mykiss) 45.4 mg/L, Exposure Time, 96 h, Test Type: Static
Toxicity to Aquatic Invertebrates:	N/A
Persistence and degradability:	N/A

Back to Top

SECTION 13: DISPOSAL CONSIDERATIONS	
Recommended Waste Disposal Methods:	Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

Back to Top

SECTION 14: TRANSPORT INFORMATION	
Canadian TDG UN Number:	1824
UN Proper Shipping Name:	SODIUM HYDROXIDE, SOLUTION
Transport Hazard Class(es):	8
Packing Group:	II
Environmental Hazards:	Not available.
Special Precautions for User:	Not available.
Additional Information:	Limited Quantity Index: 1 Litre

Back to Top

SECTION 15: REGULATORY INFORMATION	
HAZARD RATING INFORMATION **4 = Extreme**	**HMIS**

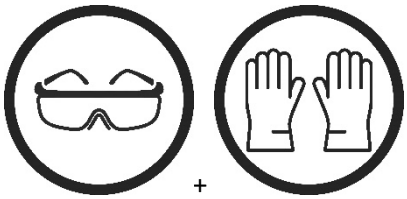
SECTION 15: REGULATORY INFORMATION

3 = High
2 = Moderate
1 = Slight
0 = Insignificant

3	Health
0	Flammability
0	Reactivity
B	Personal protection

B = Safety Glasses + Gloves

HMIS Protection
Group B



All components of this product are listed on DSL/NDSL.
All pertinent hazard information has been provided in this SDS, as per the requirements of the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

Back to Top

SECTION 16: OTHER INFORMATION

ACRONYM LIST

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
DSL/NDSL	Domestic Substances List/ Non-domestic Substance List
EC_{50}	Half maximal effective concentration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LC_{50}	Lethal concentration, 50%
LD_{50}	Lethal dose, 50%
MSHA	Mine Safety and Health Administration
N/A	Not Available
NIOSH	The National Institute for Occupational Safety and Health
N.O.S.	Not Otherwise Specified

SECTION 16: OTHER INFORMATION	
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PNOC	Particulates not otherwise classified
P_{ow}	Partition Coefficient Octanol: Water
SDS	Safety Data Sheets
STOT – SE	Specific Target Organ Toxicity – Single Exposure
STOT – RE	Specific Target Organ Toxicity – Repeated Exposure
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
UN	United Nations
VOCs	Volatile Organic Compounds
WEL	Workplace Exposure Limit
WHMIS	Workplace Hazardous Materials Information System

Back to Top

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. (formerly Maxim Chemical International Inc.) will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.