



SAFETY DATA SHEET

1. Product and company identification

Product Name THICK OVEN & GRILL CLEANER
UN/ID No. UN1760 SODIUM HYDROXIDE SOLUTION
Recommended use of the chemical and restrictions on use
Recommended Use Professional use for Heavy duty Remover of baked on grease and carbon
Supplier: Allied International
6700 Caballero Blvd.
Buena Park, CA. 90620
Manufacturer: Allied International
Print date: June 12, 2015
Responsible name: K.B.
In case of emergency: HEALTH EMERGENCIES — SPILL EMERGENCIES
CALL CHEMTREC (800) 424-9300
Product type: Mixture

2. Hazards identification

Appearance: Thick Dark Brown	Physical State: Liquid	Odor: Mild odor
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Classification

Skin corrosion/irritation	Category 1, H314
Serious eye damage/eye irritation	Category 1, H318

Signal Word: Danger



Hazard Statement

Harmful if swallowed
H314 : Causes severe skin burns
H318 : Causes Serious eye burns/damage
Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
May cause respiratory irritation
H290 : May be corrosive to metals.

Precautionary Statements – Preventions

Wash face, hands and any exposed skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do so – Continue rinsing
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area. If exposed or you feel unwell: Call a POISON CENTER or doctor / physician

Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response

Immediately call A POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a POISON CONTROL or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth, Do not induce vomiting

Precautionary Statements – Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant

Other Hazards

Exposure Prevention: Avoid all contact!
Harmful to aquatic life if released into the environment

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sodium Hydroxide	1310-73-2	40-45

4. First aid measures

Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician
Skin contact:	If on Skin (or hair): Remove/Take off immediately all contaminated clothing. Immediately rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention.
Inhalation:	If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, trained personnel should immediately begin respiration. It may be dangerous, place in recovery position and get medical attention immediately. Immediately call a POISON CENTER or doctor/physician.
Ingestion:	If Swallowed: rinse mouth. Do NOT induce vomiting. If professional advice is not available, give two glasses of water without delay. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Immediately call a POISON CENTER or doctor/physician.
Symptoms	Most important symptoms and effects: Causes severe skin burns and eye damage. May cause respiratory irritation. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, and esophagus and stomach.
Note to physician	There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation). Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to

physician or health professional with victim.

5. Fire-fighting measures

Fire & Explosion Preventive Measures	Isolate from extreme heat and open flame
Flammability of the product:	Non Flammable
Suitable Extinguishing media:	In case of fire in surrounding, all extinguishing agents allowed
Non suitable Extinguishing Media	
Specific Fire Fighting Procedure	Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles, if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-container breathing apparatus.
Unusual Fire & Explosion Hazards	Noncombustible Isolate from acids. Closed container may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions:	Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised in significant spillages cannot be contained. For personal protection, see section of the SDS.
Environmental precautions:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information
Methods for Containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Prevent further leakage or spillage if safe to do so. Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Collect spillage. Absorb spilled liquid with suitable material such as dirt or sand. Prevent entry into waterways, sewer, basements or confined areas.
Methods for Clean-Up	Pick up and transfer to properly labeled containers. Ventilate the contaminated area. Extinguish all flames in the vicinity. Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Prevent product from entering drains. Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Do not allow material to contaminate ground water system. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Protect eyes and hands, wear safety goggles with side shields and use impermeable gloves, specific for the material

handled, chemically resistant suit and boots, and hard hat.

Never return spills to original containers for re-use. This material and its container must be disposed of as hazardous waste. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Handling:	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.
Storage	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
Incompatible Materials	Reacts violently with acids and is corrosive.

8. Exposure controls/personal protection

Engineering Controls **Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.**

This product contains no EPA Hazardous Air Pollutants (HAP in amounts > 0.1%)

Individual-protection measures, such as personal protective equipment

Eye/Face Protection	Chemical anti-splash safety goggles
Skin and Body Protection	Rubber gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Approved/certified dust respirator or equivalent.
General Hygiene considerations	Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. Physical and chemical properties

Physical state	Liquid
Boiling Point	Not Applicable
Color	Thick dark brown
pH	14.0
Flash Point (Test Method)	Not Applicable
Solubility in Water	Complete
Evaporation Rate	Not Applicable

10. Stability reactivity

Stability	Stable under recommended conditions
Hazardous polymerization	Hazardous polymerization does not occur
Conditions to avoid	Excessive heat. Avoid direct sunlight, open flame. Isolate from extreme heat.
Materials to avoid	Reacts violently with fire extinguishers containing water. The substance is a strong base, reacts violently with acids and is corrosive. Reacts with water generating sufficient heat to ignite combustible materials. Reacts violently with strong acids,

causing fire & explosion hazard. Attacks many plastics, rubber, coating, many metals, such as aluminum, zinc, tin, & lead, forming flammable/explosive gas (hydrogen). Reacts with ammonium salts to product ammonia & causing fire hazard. Rapidly absorbs carbon dioxide & water from the air. Contact with moisture will generate heat.

Hazardous decomposition products Hydrogen Chloride, Phosgene, Sodium Oxide & Hydroxide from heating.
Hazardous Polymerization Will not occur

11. Toxicological information

Information on likely routes of exposure

Eye Contact Severe burns to eyes, redness, tearing, and blurred vision. Liquid can cause severe eye burns. Wash thoroughly after handling.
Skin Contact Severe burns to skin, defatting, dermatitis. Liquid can cause severe skin. Wash thoroughly after handling
Inhalation Severe respiratory tract irritation may occur. Vapor harmful. The applicable occupation exposure limit value should not be exceeded during any part of the working exposure.
Ingestion Harmful or fatal if swallowed.

Chronic Hazards

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce teratogen effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

12. Ecological information

EFFECTS OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment.

MOBILITY IN SOIL

Mobility of this material has not been determined.

DEGRADABILITY

This product is completely biodegradable

ACCUMULATION

Bioaccumulation of this product has not been determined.

13. Disposal considerations

Waste disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	PG*	Personal Protection
DOT Classification	1760	Sodium Hydroxide Solution	8	II	B

*PG: Packing group

15. Regulatory information

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or productive toxicity.

16. Other information

HMIS

Health Hazards

3

Flammability

0

Reactivity

1

Personal Protection

C

Indicates information that has changed from previously issued version.

Disclaimer

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet