Alto-Shaam

W164 N9221 Water Street
Menomonee Falls, WI 53051

MATERIAL SAFETY DATA SHEET

Revision Date: 10/10/2011 **MSDS No.: N285**

Emergency Phones: 800-558-8744

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

SECTION I - PRODUCT IDENTITY

PRODUCT NAME: Combitherm Liquid Oven Cleaner
Formula: Mixture, detergent, potassium hydroxide and additives in water.
Chemical Type: as above

HMIS RATINGS

Health = 4 (Severe)	Flammability = 0 (Insignificant)
Reactivity = 0 (Minimal)	Protection = D (Face Shield, Gloves, Synthetic Apron)

SECTION II - HAZARDOUS INGREDIENTS

	PERCENT	TLV	CARCINOGEN (OSHA,TP,IARC)
Potassium Hydroxide CAS No. 1310-58-3	5-10%	2 mg/m^3 ceiling	No

SECTION III - CHEMICAL AND PHYSICAL

Appearance: Carmel clear liquid	Boiling Point: est. 210°F
Odor: none	Melting Point: N/A
pH: > 13.0	Spec. Gravity (H_20 = 1): 1.065
Water Solubility: Completely	Vapor Pressure (mm Hg): N/A
Viscosity @ 25°C: < 25 cps (Brookfield)	VOC Content: < 1%

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point (Method): > 200°F (TCC)

Explosion Limits: Upper: N/A
Lower: N/A

Extinguishing Media: Water fog, CO_2, halon system, foam
Special Firefighting Procedures and Hazards: Minimize prolonged skin and eye contact. Wear eye protection if exposure is likely.

SECTION V - REACTIVITY INFORMATION

Stable: ☒ Unstable: ☐

Precautions:
Incompatibility: strong acids, materials not resistant to alkalies, active metals (zinc, aluminum, magnesium, etc.).

Hazardous Decomposition Products: Contact with active metals can release flammable gas

Hazardous Polymerization: Occurs: Does Not Occur: x

SECTION VII - HEALTH HAZARDS - PROTECTIVE MEASURES - FIIRST AID

Inhalation: Breathing of mists causes respiratory irritation and can cause burns. Wear approved alkali mist respirator if exposure is likely. Remove to fresh air. Give artificial respiration or oxygen if needed. Get prompt medical attention.

Skin: Corrosive. Causes irritation and burns. Wear alkali-resistant protective gloves, boots, and clothing. Provide convenient safety showers. Remove contaminated clothing. Flush skin thoroughly with water for 15 minutes. Get medical attention if burns persist.

Eyes: Corrosive. Causes eye damage. Wear splash proof goggles. Provide convenient eyewash stations. Flush immediately with water for 15 minutes. Get prompt medical attention.

Ingestion: Corrosive. Causes irritation and burning in mouth, esophagus, throat and stomach. Avoid swallowing. Can be fatal. Drink lots of water or, preferably, milk. Get medical attention if effects persist. Do not induce vomiting.

Most likely routes of entry: Skin, Eyes, Inhalation, Ingestion

Other Important Medical or Precautionary Information: None.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with acid before collection & disposal. People should use eye and skin protection & respirator.

Storage and Handling: Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and acid (lactic acid, glycolic acid, etc.) convenient. Only use containers and equipment designed for alkali service.

Waste Disposal: If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste.

Empty Containers: Rinse well before handling and disposal.

Other Precautions: N/A

SECTION VIII - REGULATORY INFORMATION

Reportable for SARA Title III, S.313 (Form R): None.

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