



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **KNOCK OUT**
PRODUCT USE: Oven Cleaner
PRODUCT NUMBER: A-140
COMPANY: Mfg for K & K Chemical
PHYSICAL ADDRESS: 1303 Industrial Drive, Royse City, Texas, 75189
MAILING ADDRESS: PO Box 1059, Royse City, Texas, 75189
COMPANY PHONE: 800-958-6921
WEB ADDRESS: KandKChemical.com
EMERGENCY PHONE: INFOTRAC (24/7) 1-800-535-5053 (USA)

SECTION 2. HAZARD(S) IDENTIFICATION

DANGER



HAZARD CATEGORIES:

Aerosols: 3
Gases Under Pressure: Liquefied Gas
Corrosive to Metals: 1
Skin Corrosion/Irritation: 1

HAZARD STATEMENTS:

Pressurized container: may burst if heated.
May be corrosive to metals.
Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

Prevention:

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Absorb spillage to prevent material damage.
Do not breathe mists.
Wear protective gloves, protective clothing, and eye protection.
Wash hands thoroughly after handling.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin(or hair) with water, or shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
(Continued on next page)

SECTION 2. HAZARD(S) IDENTIFICATION (Continued)

PRECAUTIONARY STATEMENTS: (Continued)

Storage/Disposal:

Protect from sunlight.

Do not expose to temperatures exceeding 50C/122F.

Store locked up.

Store in a corrosive resistant container with a resistant inner lining.

Dispose of contents and container in accordance with local, state and national regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	SYNONYMS	CAS #	WT %
Potassium hydroxide		1310-58-3	5-10
Propane/n-Butane		68476-86-8	5-10

SECTION 4. FIRST AID MEASURES

EYES: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

INGESTION: If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing.

ACUTE HEALTH HAZARDS: Causes severe burns.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. Potassium hydroxide may produce inflammation of the eyes, skin, and mucous membranes. Esophageal carcinoma at the site of a chronic lye stricture has been reported (Gosselin, Smith & Hodges 1984).

NOTE TO PHYSICIAN: The absence of visible signs of burns does not reliably exclude the presence of actual tissue damage.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if it can be done without risk. Cool containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with some metals, particularly magnesium, aluminum, and galvanized zinc can generate explosive hydrogen gas rapidly which is explosive. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: None known

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to Section 8 for proper Personal Protective Equipment.

SPILL: Dike area to contain spill. Dilute spill with large quantities of water and then neutralize with a dilute acid. Flush area with water until clean. Wear ppe equipment: safety goggles, chemical resistant clothing and gloves.

WASTE DISPOSAL: Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed; if it is greater than 12.5 it must be handled as RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number: D002

RCRA STATUS: Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed; if it is greater than 12.5 it must be handled as RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number: D002

SECTION 7. HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50C/122F. Pressurized container: Do not pierce or burn, even after use. Store locked up.

INCOMPATIBILITY: Organic materials, concentrated acids, metal. May react with certain food sugars.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

MATERIAL	OSHA PEL	ACGIH TLV
Potassium hydroxide	2 mg/m ³	2 mg/m ³
Propane/n-Butane	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable limits.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA-approved organic vapor respiratory protection.

PERSONAL PROTECTIVE EQUIPMENT: Chemically resistant rubber or neoprene apron and chemically resistant boots to avoid skin and clothing contact. Safety glasses should be worn during use.

ADDITIONAL MEASURES: Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White foam

ODOR: Lemon scent

BOILING POINT: Approx 212^oF (100^oC)

FREEZING POINT: N/D

FLAMABILITY: Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)

VAPOR PRESSURE (mm Hg): 17.5@77^oF (25^oC)

VAPOR DENSITY (AIR = 1): 1

EVAPORATION RATE: <0.8 (Slow)

pH: >13

SPECIFIC GRAVITY (H₂O = 1): 1.085 @77^oF (25^oC)

SOLUBILITY IN WATER: 100%

VOLATILITY INCLUDING WATER (%): 90

VOLATILE ORGANIC COMPOUNDS (VOC): 9%

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Acids and chemically reactive metals

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Organic materials, concentrated acids, metals. May react with certain food sugars.

INCOMPATIBILITY: Organic materials, concentrated acids, metals. May react with certain food sugars.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Some metals can release oxides of phosphorus and release hydrogen gas which can be explosive.

POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Potassium hydroxide(1310-58-3) LD₅₀(Oral, Rabbit) 500-700 mg/kg; LD₅₀(Dermal, Rabbit) >2 g/kg

ROUTE(S) OF ENTRY: Eyes, ingestion, inhalation, skin

EYES: Causes severe burns, irritation, redness, tearing, pain. May result in loss of sight.

INGESTION: Will cause extensive damage to tissues and may be fatal.

INHALATION: May cause irritation (possibly severe), chemical burns, upper respiratory damage, and pulmonary edema.

SKIN (DERMAL): Causes severe burns. Prolonged contact will destroy tissue.

MEDICAL CONDITION AGGRAVATED: Asthma, bronchitis, emphysema, and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.

ACUTE HEALTH HAZARDS: Causes severe burns.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. Potassium hydroxide may produce inflammation of the eyes, skin, and mucous membranes. Esophageal carcinoma at the site of a chronic lye stricture has been reported (Gosselin, Smith & Hodges 1984).

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Potassium hydroxide (1310-58-3) LC₅₀(Mosquito fish, 24 hr) 80mg/L

BIODEGRADABILITY: Components of this product are not biodegradable.

BIOACCUMULATION: This product is not expected to bioaccumulate.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: None known

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed; if it is greater than 12.5 it must be handled as RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number: D002.

RCRA STATUS: Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed; if it is greater than 12.5 it must be handled as RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number: D002

SECTION 14. TRANSPORTATION INFORMATION

GROUND SHIPMENT

D.O.T. PROPER SHIPPING NAME: UN1950, Aerosols, 2.1. Qualifies for Limited Quantity Exception, 173.306.

NAME FOR SHIPPING PAPERS: Aerosols, Ltd Qty

ADDITIONAL MARKINGS: Each outside packaging must be marked, "Inner Containers Comply With Prescribed Regulations."

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS / DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

SHIPPING BY WATER

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS / DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

SECTION 15. REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION AND LIABILITY ACT): Chemical name: Potassium hydroxide
RQ = 1000 lb Category C

SARA 311/312 HAZARD CATEGORIES: Acute Health Hazard

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None; Potassium hydroxide - Illinois Toxic Substance Disclosure to Employee Act; Illinois Chemical Safety Act; New York Release Reporting List, Rhode Island RTK Hazardous Substances; Pennsylvania RTK; Minnesota, Massachusetts RTK; New Jersey, Louisiana spill reporting.

INTERNATIONAL REGULATIONS: WHMIS (Canada) CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid

NFPA HEALTH: 3
NFPA FLAMMABILITY: 1
NFPA REACTIVITY: 1
NFPA OTHER: None

HMIS HEALTH: 3
HMIS FLAMMABILITY: 1
HMIS REACTIVITY: 1
HMIS PROTECTION: B

SECTION 16. OTHER INFORMATION

REVISION DATE: Mar. 24, 2016

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