



SAFETY DATA SHEET

1. Product and company identification

Product Name COMBI-OVEN OVEN CLEANER
Product Code C-OD01
UN/ID No. DOT (U.S.): UN1814 Potassium Hydroxide

Recommended use of the chemical and restrictions on use

Recommended use: For Industrial and Commercial Use Only

Supplier: **HD Chem**
707 W. 16th St.
Long Beach, CA 90813
(888) 443-2436

Print date: February 19, 2019

In case of emergency: Call (888) 443-2436

Product type: Mixture

2. Hazards identification

Appearance: Red Physical State: Liquid Odor: Mild

Health hazards: Acute Toxicity, oral Category 3
Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1

Signal Word: Danger

Pictograms:

Hazard Statement: Toxic if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary Statements – Preventions

Read label before use
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 breath dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Keep out of reach of children

Precautionary Statements – Response

Immediately Call A Poison Center Or Doctor/Physician

EYES: Flush with large amounts of water. Consult a physician immediately

SKIN: Wash with water. Remove contaminated clothing and foot wear seek medical attention

INHALATION: Get person out of contaminated area to fresh air. Seek medical attention.

INGESTION: **Do Not Induce Vomiting**. Give large quantities of water or milk. Consult physician immediately

Precautionary Statements – Storage

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

Precautionary Statements –Disposal

Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Potassium Hydroxide	1310-58-3	20

4. First aid measures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Skin contact: Take off immediately all contaminated clothing. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention immediately.

Inhalation: Move person to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion: Call a physician or poison control center immediately. Rinse mouth, Do Not Induce Vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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.

5. Fire-fighting measures

Suitable extinguishing media Water fog, Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the Chemical. During fire, gases hazardous to health may be formed.

Special protective equipment for fire-fighters: Wear self contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical Emits toxic fumes (potassium oxides) under fire conditions. (See also Stability and Reactivity section).

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions:	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.
<u>Methods for cleaning up</u>	Dike contain liquid area using protective clothing, absorb with sand or other absorbent. Pick up and place in suitable, closed container for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

7. Handling and storage

Handling:	See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.
Storage	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep away from incompatible materials (see section 10 for incompatibilities).

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering Controls **Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers and washing facilities accessible to areas of use and handling.**

Individual-protection measures, such as personal protective equipment

Eye/Face Protection	Wear chemical anti-splash safety glasses or goggles and a face shield.
Skin and Body Protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Respiratory Protection	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator
Other	Wear appropriate chemical resistant clothing.
General Hygiene considerations	Keep away from Food, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Physical state	Liquid
Flash Point	>200 Deg. F.
Color	Red
pH	13
Vapor Pressure (mm GHz)	N/E
Specific Gravity (H20=1)	1.0
Percent Volatile	71%
Evaporation Rate (N-Butyl Acetate) =1	N/A
Solubility in Water	Complete
Reactivity in Water	None
VOC	8.97gr/ct

10. Stability reactivity

Stability	This product is stable and non-reactive under normal conditions of use
Hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	Contact with incompatible materials
Materials to avoid	Acids. Maleic anhydride
Hazardous decomposition	No hazardous decomposition products are known

11. Toxicological information

Information to toxicological effects

Potassium Hydroxide (K(OH)) (CAS 1310-58-3)

Ingestion LD50 Oral – rat 273 mg/kg

Carcinogenicity: No components of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs & Symptoms of Exposure:

Skin	Causes severe skin burns
Eyes	Causes serious eye damage
Respiratory	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Ingestion	Toxic if swallowed. Causes digestive tract burns.

Chronic Toxicity: May cause damage to the following organs: upper respiratory tract, skin, eyes.

12. Ecological information

Environmental effects: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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 laws and requirements. Avoid dispersal of spilled material and runoff and contract 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

Note:

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

***When shipped in containers of 32 oz. or less this material may be reclassified in accordance with DOT regulations 49CFR173.154 as:**

Limited Quantity.



* Limited Quantity

Regulatory	UN number	Proper shipping name	Classes	PG*	Additional information
DOT Classification	UN1814	Potassium Hydroxide, Solution	8	II	32 oz Bottles, ORM-D-Limited Quantity

*PG: Packing group

15. Regulatory information

California Proposition 65:

This product does not contain any Proposition 65 chemicals.

16. Other information

HMIS

Health
2

Flammability
0

Reactivity
1

Personal Protection
C

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