



SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

| | |
|---|--|
| Product Identifier: Performance Plus Oven & Grill Cleaner Product Use: Oven and Grill Cleaner Manufactured By: Kor-Chem, Inc. 5800 Bucknell Drive Atlanta, GA 30336 Manufactured For: R.J. Schinner Co., Inc. N89W14700 Patritra Drive Menomonee Falls, WI 53051 | Product Identification # (PIF): 01047 Emergency Telephone #: 1-800-255-3924 ChemTel General Information #: 262-797-7180 Date Prepared: December 3, 2014 Date Revised: November 3, 2015 |
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: DANGER

| Hazard Statement | Category | Code | Hazard Class |
|--|----------|------|---|
| Causes severe burns and eye damage | 1B | H314 | Skin Corrosion |
| Causes serious eye damage | 1 | H318 | Serious Eye Damage |
| May be corrosive to metals | 1 | H290 | Corrosive to Metals |
| Harmful if swallowed | 4 | H302 | Acute Toxicity, Oral |
| May be harmful if swallowed and enters airways | 2 | H305 | Aspiration Hazard |
| Harmful to aquatic life | 3 | H402 | Hazardous to the Aquatic Environment, Acute |

Precautionary Measures:

| Category | Code | Statement |
|------------|----------------|--|
| Prevention | P234 | Keep only in original container. Do not breathe fumes/mists/ vapors/sprays. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| | P260 | |
| | P264 | |
| | P270 | |
| | P273 | |
| | P280 | |
| Response | P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Specific treatment: See section 4 First Aid Measures IF ON SKIN (or hair): Remove 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. Specific treatments: See section 4 First Aid Measures. 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/physician. Absorb spillage to prevent material damage. |
| | 1 | |
| | P310+P321 | |
| | P303+P361+P353 | |
| | 3 | |
| | P363 | |
| | P304+P340 | |
| | P310 | |
| P321 | | |
| Storage | P305+P351+P338 | Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. |
| | 8 | |
| Storage | P310 | Store in a closed container. |
| | P390 | |
| Storage | P404 | Store locked up. |
| | P405 | |
| Disposal | P501 | Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations. |

Description of any hazards not otherwise classified: Prolonged/repeated skin exposures can result in dermatitis. Inhaling mists/sprays of material is corrosive to respiratory tract and may cause pulmonary edema (shortness of breath and tightness of chest). Corrosive to digestive tract. Ingestion may cause severe pain, burning, vomiting and diarrhea. Lung aspiration may result in chemical pneumonitis, pulmonary edema, damage to lung tissue, and in extreme cases death.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | Common Name | CAS # | Concentration Range % |
|------------------|--------------|-----------|-----------------------|
| Sodium hydroxide | Caustic soda | 1310-73-2 | 15 – 19 |

SECTION 4. FIRST AID MEASURES

Eyes: Immediately flush well with water for at least 15 minutes, while holding eyelids open. Remove any contact lenses and continue rinsing. If irritation persists, repeat flushing. Seek medical attention immediately.

Skin: Wash with soap and water, then flush with water for 15 minutes. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Treat symptomatically. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Get medical attention immediately. Pulmonary edema symptoms can be delayed up to 48 hours after exposure.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth. If vomiting occurs spontaneously, have victim lean forward with head down, rinse mouth and administer more water. Immediately transport victim to an emergency facility.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Not flammable

Flash Point: Not flammable

Extinguishing Media: Use media appropriate for surrounding fire.

Specific hazards arising from chemical: May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas, which can form explosive mixtures with air.

Hazardous combustion products: Oxides of sodium and carbon.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Ventilate area. Do not breathe fumes/mists/ vapors/sprays. Avoid release into the environment. Absorb spillage to prevent material damage. Wash thoroughly after handling.

For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Neutralize with weak acidic material (citric acid), then absorb spill with vermiculite or other inert material, and then place in a container for chemical waste. Litmus paper may be used to confirm neutralization. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use with adequate ventilation. Do not breathe fumes/mists/ vapors/sprays. Do not premix with other chemicals. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. Avoid release into the environment.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Keep only in original container. Protect from physical damage. Store away from strong acids, halogenated compounds, prolonged contact with metals or alloys.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Ingredient | CAS # | OSHA/PEL | ACGIH/TLV | STEL |
|------------------|-----------|----------|-----------|-----------------|
| Sodium hydroxide | 1310-73-2 | 2mg/m3 | 2mg/m3 | Not established |

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles and face shield.

Skin: Chemical resistant gloves – rubber, neoprene or nitrile. Normal materials handling clothing and apron.

Respirator: Use NIOSH approved protection if PEL if sprays/mists are generated.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------------|---------------------------|---|-------------------|
| Appearance | Light brown, clear liquid | Upper/Lower flammability limits | Not determined |
| Odor | Mild | Vapor pressure (water=17.3mmg) | Not determined |
| Odor threshold | Not determined | Vapor density (Air = 1) | <1 |
| pH at 1% | 11.5 - 13 | Relative density (water = 1.0) | 1.175 g/ml |
| Melting point | Not determined | Solubility | Complete in water |
| Freezing point | Not determined | Partition coefficient (n-octanol/water) | Not determined |
| Boiling point | Not determined | Auto-ignition temperature | Not determined |
| Flash point | Not flammable | Decomposition temperature | Not determined |
| Evaporation rate (n-butyl acetate=1) | <1 | Viscosity | Slightly viscous |
| Flammability | Not flammable | Product VOC | 0% |

SECTION 10. STABILITY AND REACTIVITY

Reactivity: May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas, which can form explosive mixtures with air. Slowly attacks glass at room temperature. Corrosive to metals.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Will not occur, but can induce hazardous polymerization of acetaldehyde, acrolein and acrylonitrile.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong acids, halogenated compounds, prolonged contact with metals or alloys.
Hazardous combustion products: Oxides of sodium and carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral (LD50 Rat): 284 mg/kg
Dermal (LD50 Rabbit): Not determined
Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Corrosive to skin. Symptoms may include burns, ulceration and scarring. Prolonged/repeated skin exposures can result in dermatitis.

Serious eye damage/irritation: Corrosive to eyes. Symptoms may include severe irritation, disintegration, scarring and clouding.

Respiratory or skin sensitization: Inhaling mists/sprays of material is corrosive to respiratory tract and may cause pulmonary edema (shortness of breath and tightness of chest).

Germ cell mutagenicity: Not available

Carcinogenicity: NTP/IARC/OSHA Carcinogen: Not listed

Reproductive toxicity: Not available

STOT-single exposure: Immediate – corrosive to eyes and skin

STOT-repeated exposure: Prolonged skin contact - dermatitis

Aspiration hazard: Lung aspiration may result in chemical pneumonitis, pulmonary edema, damage to lung tissue, and in extreme cases death.

Ingestion: Corrosive to digestive tract. May cause severe pain, burning, vomiting and diarrhea.

Likely routes of exposure: Eyes, skin and inhalation (if mists or sprays are generated)

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): >100ppm
96h EC-50 (invertebrates): >100ppm
48h LC-50 (algae): >10ppm

Persistence and degradability: Degrades readily by reacting with natural carbon dioxide in the air.

Bioaccumulative potential: This material is not expected to bioaccumulate significantly.

Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems.

Other adverse effects: This product can raise the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

UN/ID No.: UN3266
Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, n.o.s., (Sodium hydroxide)
Hazard Class: 8
Packing Group: II
49 CFR §173.154 (b) (2) (Exemption): This product can ship as "Limited Quantity" in inner packaging not over 0.3 gallons. (Non Hazardous)

IATA and IMDG:

UN/ID No.: UN3266
Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, n.o.s., (Sodium hydroxide)
Hazard Class: 8
Packing Group: II
Marine Pollutant (IMDG Code): No
Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

| | | | |
|--------------------------|-----|-----------------|----|
| Immediate (Acute) Health | Yes | Fire Hazard | No |
| Delayed (Chronic) Health | No | Reactive Hazard | No |

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: Sodium hydroxide (CAS# 1310-73-2) has a reportable quantity of 1,000 lbs. at 100% concentration, however, this product is not considered a Hazardous Substance since the quantity does not equal or exceed the RQ in one package (49 CFR 171.8, definition of "Hazardous Substance").

United States Right-To-Know: Sodium hydroxide CAS #1310-58-3 - Massachusetts, Minnesota, New Jersey, Pennsylvania, Rhode Island.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Revised: November 3, 2015 – SDS revised to include these GHS Hazards: Acute Toxicity, Oral, Aspiration Hazard and Hazardous to the Aquatic Environment, Acute Hazard.

Hazard Ratings (HMIS): Health 3, Flammability 0, Reactivity 1 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

| Abbreviation | Full Name/Explanation |
|--------------|---|
| ACGIH | American Conference of Government Industrial Hygienists |
| CAS | Chemical Abstract Service |
| CERCLA | Comprehensive Environmental Response Compensation and Liability Act |
| CNS | Central Nervous System |
| CFR | Code of Federal Regulations |
| DOT | Department of Transportation |
| EC | Effective Concentration |
| HMIS | Hazardous Material Information System |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| NA | Not Applicable |
| ND | Not Determined |
| NE | Not Established |
| NIOSH | National Institute for Occupational Safety and Health |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| RCRA | Resource Conservation Recovery Act |
| SARA | Superfund Amendments and Reauthorization Act |
| STEL | Short-Term Exposure Limit |
| STOT | Specific Target Organ Toxicity |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substance Control Act |
| VOC | Volatile Organic Compounds |

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.