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**Material Safety Data Sheet
and Safe Handling and Disposal Information**

Section 1. Chemical Product and Company Identification

Product Name **Oven and Grill Cleaner**
Product Code **HD0271-24** **CN0271-24**
Formula No. **0210**
Date of issue **03/27/03** **Supersedes** 02/28/02

Emergency telephone number **For MSDS Information:**
Compliance Services (404) 352-1680

For a Medical Emergency:
INFOTRAC
(877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 (Toll Free - Calls Recorded)

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS #</u>	<u>% by Weight</u>	<u>Exposure Limits</u>
1) POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	0-5	ACGIH/OSHA (United States). CEIL: 2 mg/m ³
2) ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	0-5	ACGIH TLV (United States). Skin TWA: 20 ppm Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm Form: Vapor
3) MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	0-5	OSHA PEL (United States). TWA: 3 ppm ACGIH TLV (United States). STEL: 6 ppm
4) BLEND OF ISOBUTANE, PROPANE & n-BUTANE	75-28-5; 74-98-6; 106-97-8	0-5	ACGIH TLV (United States). TWA: 800 ppm OSHA PEL (United States). TWA: 1000 ppm

Section 3. Hazards Identification

Acute Effects

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Eyes Hazardous in case of eye contact (corrosive).

Skin Hazardous in case of skin contact (corrosive, permeator). Skin contact may produce burns. Harmful if absorbed through the skin.

Inhalation Hazardous in case of inhalation (lung corrosive). Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Ingestion May be fatal if swallowed. May cause burns to mouth, throat, and stomach.

Chronic Effects The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

See Toxicological Information (section 11)

HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	C

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Not applicable.	Flammable Limits	Not applicable.
Flammability	Non-flammable. (CSMA)	Fire Hazard	Not applicable.
Fire-Fighting Procedures	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.		



Section 6. Accidental Release Measures

Spill Clean up Unlikely in this form.

Section 7. Handling and Storage

Handling Avoid prolonged contact with eyes, skin, and clothing. Avoid contact with eyes. Do not ingest. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store below 120°F.

Section 8. Exposure Controls, Personal Protection

Personal Protection

Protective Clothing (Pictograms)

Eyes	Chemical splash goggles.
Body	Synthetic apron. Use chemical resistant, impervious gloves.
Respiratory	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.



Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Grayish white.
pH	13.0 - 14.0	Odor	Butyl
Boiling Point	100°C (212°F)	Vapor Pressure	Not available.
Specific Gravity	1.43 (Water = 1)	Vapor Density	Not available.
VOC (Consumer)	114 (g/l).	Evaporation Rate	<1 compared to Water
Solubility	Easily soluble in cold water, hot water.		

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with oxidizing agents, acids.
Hazardous Decomposition Products	These products are carbon oxides (CO, CO ₂) and nitrogen oxides (NO, NO ₂ ...)
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals

Ethylene glycol monobutyl ether:	
ORAL (LD50):	Acute: 1746 mg/kg [Rat].
Monoethanolamine:	
ORAL (LD50):	Acute: 2100 mg/kg [Rat].
DERMAL (LD50):	Acute: 1000 mg/kg [Rabbit].
Blend of Isobutane, Propane, and n-Butane	
LD50:	Not available.
LC50:	Not available.
Potassium hydroxide:	
ORAL (LD50):	Acute: 365 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity Not available.
Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream D002
Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Consumer Commodity
DOT Classification ORM-D
UN number Not applicable.
TDG Classification ORM-D

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether
Clean Water Act (CWA) 311: Potassium hydroxide
Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether

State Regulations California prop. 65: No products were found.

WHMIS (Canada) CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS E: Corrosive liquid.

Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*