



Material Safety Data Sheet and Safe Handling and Disposal Information

Acuity Specialty Products Group, Inc.
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Section 1. Chemical Product and Company Identification

Product name	Oven & Grill Cleaner	
Product Code	CROGC19	
Date of issue	06/10/03	Supersedes
Emergency Telephone Numbers	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)	
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Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
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 OSHA PEL (United States). TWA: 3 ppm ACGIH TLV (United States). STEL: 6 ppm
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	0-5	ACGIH TLV (United States). TWA: 3 ppm ACGIH TLV (United States). STEL: 6 ppm ACGIH TLV (United States). TWA: 800 ppm OSHA PEL (United States). TWA: 1000 ppm ACGIH /OSHA (United States). CEIL: 2 mg/m ³
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 ACGIH /OSHA (United States). CEIL: 2 mg/m ³
POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	0-5	ACGIH /OSHA (United States). CEIL: 2 mg/m ³

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

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

Eyes Hazardous in case of eye contact (corrosive).

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.

HMIS	
Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	C

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

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. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

See Toxicological Information (section 11)

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** The greatest known range is LOWER: 3% UPPER: 23.5%**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.**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.**Solubility** Easily soluble in cold water, hot water.**Evaporation Rate** <1 compared to Water**VOC (Consumer)** 114 (g/l).**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Reactive with oxidizing agents, acids.**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** These products are carbon oxides (CO, CO₂) and nitrogen oxides (NO, NO₂...)**Section 11. Toxicological Information****Toxicity to Animals****Ethylene Glycol Monobutyl Ether:**

ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig].

DERMAL (LD50): Acute: 435 mg/kg [Rabbit]. >2000 mg/kg [Guinea pig].

VAPOR (LC50): Acute: 700 ppm 7 hour(s) [Mouse]. >633 ppm 1 hour(s) [Guinea pig]. >691 ppm 1 hour(s) [Guinea pig].

Monoethanolamine:

ORAL (LD50): Acute: 2100 mg/kg [Rat].

DERMAL (LD50): Acute: 1000 mg/kg [Rabbit].

A-46

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** Consumer Commodity ORM-D

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: Ethylene Glycol Monobutyl Ether 2.5%
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.