



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

PRODUCT NAME
 UNITED 51

USE/DESCRIPTION
 Foaming Oven and Grill Cleaner

REVISION DATE
 December 27, 2010

HMIS III HEALTH (0 = Maximum Safety) 2

Always follow Label Directions and Cautions.

* Chronic 2 Moderate
 4 Severe 1 Slight
 3 Serious 0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated
 3 Ignites at normal temperature. to burn.
 2 Ignites when moderately heated. 0 Will not burn.

PERSONAL PROTECTION: n & p



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Potassium hydroxide	1310-58-3	5-20	NE	2mg/m3	365 mg/kg (Rat/oral)	NE
Sodium metasilicate	6834-92-0	0.5-1.5	NE	NE	1153 mg/kg (Rat/oral)	NE
Ethylene glycol Monobutyl ether	111-76-2	1-<5	SKIN: 20 ppm 97 mg/m3	SKIN: 50 ppm 240 mg/m3	470 mg/kg (Rat/oral)	450 ppm/4 h. (Rat)

3. HAZARDS IDENTIFICATION

Eyes: Destructive to eye tissues on contact. Can cause destructive burns and permanent damage.

Skin: Destructive to tissues on contact. Will cause severe burns. A latent period may exist between exposure and sense of irritation.

Inhalation: Mists of this product are irritating to the upper respiratory tract and to lung tissue and may cause permanent damage.

Ingestion: Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.

4. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids open during flushing. Call a physician or poison center immediately.

Skin: Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. If irritation persists, call a physician or poison center.

Inhalation: Remove victim to fresh air. Apply CPR if needed. Call a physician or poison center.

If Swallowed: DO NOT induce vomiting. Drink large amounts of water to dilute. Never give anything by mouth to an unconscious person. Call a physician or poison center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, may produce carbon dioxide, carbon monoxide and oxides of phosphorus.

Fire and Explosion Hazards: None known.

Extinguishing Media: Water, Dry chemical, Carbon dioxide, Alcohol foam.

Fire Fighting Instructions: Firefighters should wear self-contained breathing apparatus w/full protective clothing. Remain upwind of fire to avoid hazardous vapors.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Wear appropriate protective equipment. Provide adequate ventilation. For small spills, flush up to one gallon of product with water to the nearest sewer to drain.

Large Spills: Wear appropriate protective equipment. Provide adequate ventilation. For larger spills, contain and collect on suitable absorbent. Place in corrosion resistant container for proper disposal.

7. HANDLING AND STORAGE

Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Do not let drums freeze, as they may split or rupture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear chemical safety goggles.

Skin: Chemical resistant gloves.

Respiratory: Avoid breathing fumes from this product. Use a NIOSH-approved respirator when airborne concentrations exceed exposure limits.

Engineering Controls: Provide adequate ventilation and provide local exhaust. Do not use in closed or confined spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212°F/100°C **Specific Gravity:** 1.12 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND

Vapor Density: ND **Evaporation Rate:** ~1 **Solubility in Water:** Complete **pH:** 13-14

Appearance and Odor: Clear yellow liquid with slight ethereal odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When heated strongly, as in a fire, this product may produce carbon dioxide, carbon monoxide and oxides of phosphorus.

Chemical Stability: Stable

Incompatibility: Do not mix this product with other cleaning chemicals, especially acids or strong oxidizers (like bleach). Avoid contact with aluminum, tin, zinc, leather or wool.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): <5%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 51 FOAMING OVEN AND GRILL CLEANER

PREPARED BY: Sandy Kopacz