

MATERIAL SAFETY DATA SHEETS  
(MSDS)

ITEM NUMBER: 0160080 - ORANGE PLUS All Purpose Cleaner  
IDENTITY (As Used On Label and List): ORANGE PLUS ALL PURPOSE CLEANER

Emergency Medical Telephone Number 800-255-3924 (24 HRS)

PRODUCT HAZARD RATINGS: - Health = 2, Fire = 0, Reactivity = 1, Protective Equipment = \*B (HMIG)  
(Rating Legend: - 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

**Section 1**

DETERGENT MARKETING SYSTEMS, INC. TELEPHONE NUMBER FOR INFORMATION:  
900 RATHBONE AVENUE 630-859-8200  
AURORA, IL 60506 DATE REVISED: 5/21/07  
NAME OF PREPARER: Mike Gasteier

**Section II - Hazardous Ingredients/Identity Information**

Components are listed in this section if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CARCINOGEN by NTP, IARC, or OSHA as of the date of the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible Exposure Limits (PELS) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV's) appear on the line with the component identification. Other recommendations appear as footnotes.

Chemical Names	Exposure Limits (LD50-Oral Rat)	Sara Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
2-Butoxyethanol (CAS # 111-76-2)			25 ppm		2-4%
Potassium Hydroxide (CAS # 1310-58-3)					1-3%

**Section III - Physical Characteristics**

Boiling Point: N/A Vapor Pressure (mmHG): N/A Specific Gravity (H<sub>2</sub>O=1): 1.07  
Solubility/Water: Complete Vapor Density (AIR = 1): N/A Evaporation Rate (Ether=1): About the same  
Appearance and Odor: Orange/Orange fragrance pH: 10

**Section IV - Fire and Explosion Hazard Data**

Flash Point (TCC): None  
Flammable Limits - NF  
Extinguishing Media: None  
Special Fire Fighting Procedures: None  
Unusual Fire and Explosion Hazards: None

**Section V - Reactivity Data**

Stability: Stable  
Incompatibility (Materials to Avoid): Acids ; oxidizers; reducers  
Hazardous Decomposition Products: None known  
Conditions to Avoid: None known

**Section VI - Health Hazards**

**Routes of entry - skin, eyes, ingestion, inhalations**

**Signs and Symptoms of Exposure :** Can cause irritations to eyes and skin.

**Medical Conditions Generally Aggravated by Exposure:** None known

**Emergency and First Aid Procedures:**

**Eyes:** In case of contact, immediately flush eyes with plenty of water. Contact a physician if irritation persists.

**Skin Rinse with water**

**If swallowed:** Drink large quantities of water. Call a physician.

**Section VII - Precautions for Safe Handling and Use**

**Releases or Spilled:** Soak up spill with an absorbent mop with water

**Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

Product is biodegradable.

**Handling and Storing:** No unusual precautions.

**Other Precautions:** Do not mix with other chemicals.

**Section VIII - Employee Protection**

**Respiratory Protection: (Type):** None required.

**Ventilation:** Local exhaust is adequate under normal conditions, mechanical ventilation is optional.

**Protective Gloves:** Not required with normal usage.

**Protective Goggles:** Not required with normal usage.

**Other Protective Clothing or Equipment:** None

**Section IX - Other Regulatory Controls**

**Governmental Listings:** Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

**Section X - Transportation (D.O.T. Classification)**

**DOT Class:** Not D.O.T. regulated

**KEEP OUT OF REACH OF CHILDREN**

**NG - Negligible NA - Not Applicable NE - Not Established UN - Unavailable ND - Not Determined**

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