



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

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

PRODUCT NAME
UNITED 50 PINK MARVEL

USE/DESCRIPTION
Cleaner Descaler

REVISION DATE
February 16, 2012

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 to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

PERSONAL PROTECTION: p & n



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Phosphoric acid	7664-38-2	15-40	1mg/m3	1 mg/m3	1530 mg/kg (Rat/oral)	NE
Ethanol, 2,2'-imino bis n-tallow Alkyl derivs	61791-44-4	5-10	NE	NE	1200-1500 Mg/kg (Rat/oral)	220 ppm @ 1 hr (Rat)

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation or burns. Can cause destructive burns and permanent damage.

Skin: Prolonged or repeated contact with the liquid may cause irritation or burns.

Inhalation: Mists of this product are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema.

Ingestion: Corrosive. Causes destructive burns to mouth, throat, and stomach.

4. FIRST AID MEASURES

Eyes: Flush with cool water for at least 15 minutes. Hold eyelids apart to ensure thorough rinsing of the entire surface of the eye and lids with water. Call a physician or poison center.

Skin: Wash with soap and water and remove contaminated clothing. If irritation persists, call a physician or poison center.

Inhalation: Remove to fresh air. Apply artificial respiration if needed. Call a physician or poison center immediately.

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

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 decompose to phosphoric oxide fumes and acid mist.

Fire and Explosion Hazards: Thermal decomposition products may be hazardous. These include phosphorous oxide fumes.

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

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing in chemical fires. Vapors are irritating to the respiratory tract and may cause difficulty breathing and pulmonary edema. Provide protection of employees and residents.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Absorb small spills with an inert material and then place in chemical waste container for disposal. Neutralize washing with base such as soda ash or lime. Flush residual spill area with large amounts of water. Exercise caution during neutralization as considerable heat may be generated.

Large Spills: Contain large spills with dikes and absorb with an inert material and then place in a chemical waste container. Neutralize washing with a base such as soda ash or lime. Flush residual spill area with large amounts of water. Exercise caution during neutralization as considerable heat may be generated.

7. HANDLING AND STORAGE

When diluting, always add acid slowly to water and stir well to avoid spattering. NEVER ADD WATER TO ACID! Containers should be stored in a cool, dry, well-ventilated area away from incompatible materials. Exercise caution to prevent damage to or leakage from the container. Wash hands and face with soap and water after using this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Chemical splash goggles are recommended.

Skin: Chemical resistant gloves, rubber or neoprene are recommended.

Respiratory: None needed for proper use in accordance with label directions. Use a NIOSH/MSHA approved respirators where mist or spray may be generated.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 275°F/135°C **Specific Gravity:** 1.185 (H₂O=1) **Vapor Pressure:** 5.65 **Melting Point:** -0.5°F/-17.5°C

Vapor Density: ND

Evaporation Rate: ~ 1

Solubility in Water: Complete

pH: 1-2

Appearance and Odor: Bright pink liquid, with mint scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Under fire conditions, product may decompose to phosphoric oxide fumes and acid mist.

Chemical Stability: Stable

Incompatibility: This product reacts violently with bases, liberating heat and spattering.

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): None

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 50 PINK MARVEL

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