

Material Safety Data Sheet

PAGE 1 OF 2

Product Identification: PERMANENT AND SEMIPERMANENT COLORS -- (ALL COLORS) Date of Last Revision: 4/16/90

-----MANUFACTURER-----

Matrix Essentials, Inc. Emergency Phone:  
30601 Carter Street CHEMTREC --- 1-800-424-9300  
Solon, Ohio 44139

-----HAZARDOUS INGREDIENTS-----

MAY CONTAIN ONE OR MORE OF THE FOLLOWING:

COMPONENT	%	OSHA PEL	ACCIH TLV	CAS NUMBER
Resorcinol	< 1	N E	10 ppm	108-46-3
P-Phenylenediamine	< 1	0.1 mg/m3	0.1 mg/m3	
P-Aminophenol	< 1	2 mg/m3 TWA (supplier)		123-30-8
Alpha-Naphthol	< 1	N E	N E	90-15-3
Fragrance	< 1	N E	N E	
Aqua Ammonia	< 15	N E	25 ppm TWA	1336-21-6

-----PHYSICAL/CHEMICAL PROPERTIES-----

Boiling Point: > 212 Degrees F Specific Gravity: < 1.0  
Appearance and Odor: Colored opaque cream with ammonia or floral odor.

-----FIRE AND EXPLOSION HAZARD DATA-----

FLASH POINT: N/A  
Extinguishing Media: Non-Combustible--No special procedures.

-----REACTIVITY DATA-----

Stability: Stable Polymerization: Will not occur  
Conditions to Avoid: Strong Acids.  
Materials to Avoid: None  
Hazardous Decomposition or By-products: None

-----HEALTH HAZARD INFORMATION-----

Primary Routes of Exposure: Skin Contact, Ingestion, Inhalation

This product is a "mixture" for which no health hazard data exists. The Hazard Communication Standard requires that such mixtures be assumed to present the same health hazards as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture.

Acute Health Hazards: Severe irritation of eye and skin, possibly permanent damage. Dermatitis, vertigo, eczema, sensitization

Ingestion: Nephritis, lens opacity, vomiting, diarrhea, abdominal pain, circulatory collapse, gastritis, kidney damage, cyanosis, convulsions, anemia, methemoglobinemia, vertigo, dizziness, weakness, collapse. Large oral amounts may be toxic.

PAGE 2 OF 2

Chronic Health Hazards: Contains ingredients which may cause one or more of the following: Methemoglobinemia, thyroid damage, liver damage, kidney damage, reproductive problems, blood or nervous system damage.

May aggravate preexisting irritations.

Carcinogenicity: This product has not been tested as a whole; none of the ingredients are carcinogenic or suspected carcinogens by NPT, OSHA, or IARC.

First Aid Procedures:

In case of eye contact: Flush thoroughly with large amounts of water for at least 15 minutes; seek medical attention if irritation persists.

In case of ingestion: Induce vomiting and seek medical attention.

In case of skin contact: Flush thoroughly with large amounts of water for at least 15 minutes; seek medical attention if irritation persists.

In case of inhalation: Remove to fresh air.

-----SPILL, LEAK, AND DISPOSAL-----

Spills: Wipe up and wash with water since smooth surfaces can become slippery and hazardous when a spill occurs. Use gloves

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

Observe precautions and personal protective equipment requirements set forth in the following section.

-----SPECIAL PRECAUTIONS AND PERSONAL PROTECTION-----

Precautions: Avoid skin contact.

Personal Protection: Recommend eye protection. Impervious plastic gloves required.

Work Practices: Normal good work and hygienic practices. Wash hands after product use or contact. Keep product separate from all food and beverages.

-----DISCLAIMER-----

The information provided on this Material Safety Data Sheet ("MSDS") is believed by Matrix Essentials, Inc. to be accurate based upon data available at the time the MSDS was prepared. The information on this MSDS is intended to cover the normal and customary use of the product and may not be applicable to all situations or to all individuals. This data sheet does not constitute a warranty of the products it covers.