

# MATERIAL SAFETY DATA SHEET

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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** VERO K-PAK COLOR Age Defy (all shades)

**MANUFACTURER'S NAME:**

**JOICO LABORATORIES, INC**

**EMERGENCY #:** (800) 584-8038 - 24 hours

**INFORMATION #:** (203) 656-7859 (8:30 am– 5:00 pm)

**ADDRESS (NUMBER, STREET, CITY, STATE, & ZIP CODE):**

100 TOKENEKE ROAD,  
DARIEN, CT 06820  
www.joico.com

**PREPARED:** 4/10/2008

**CURRENT MSDS UPDATE:**

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	TLV-TWA	PEL	OTHER LIMITS RECOMMENDED
p-Phenylenediamine	106-50-3	0.1 mg/m <sub>3</sub> skin		
Resorcinol	108-46-3	10 ppm		
p-Aminophenol	123-30-8	0.1 mg/m <sub>3</sub>		
Ammonium Hydroxide	1336-21-6	25 ppm	35 ppm	ammonia
Glyceryl Stearate	123-94-4	10 mg/m <sub>3</sub>		
Glycol Distearate	627-83-8	10 mg/m <sub>3</sub>		

## SECTION 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards:** The data available do not support any physical or chemical hazard.

**Human health hazards:** The data available do not support any adverse human health hazard.

**Environmental hazards :** The data available do not support any environmental hazard.

## SECTION 4. FIRST-AID MEASURES

**Route(s) of Entry:** Ingestion Inhalation Skin

**CAUTION:** THIS PRODUCT CONTAINS INGREDIENTS THAT MAY CAUSE SKIN IRRITATION ON CERTAIN INDIVIDUALS AND A PRELIMINARY TEST ACCORDING TO THE ACCOMPANYING DIRECTIONS SHOULD FIRST BE MADE.

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## **Health Hazards (Acute):**

**Skin Contact:** May induce hypersensitivity and elicit reactions on sensitized people.

**Eye Contact:** CAUTION: eye irritant. When Color is mixed with developers (hydrogen peroxide), the mixture may cause severe irritation and possible permanent eye injury.

**Inhalation:** Excessive inhalation of ammonia vapors may result in irritation of mucous membranes of the respiratory system.

**Ingestion:** Non-toxic.

**Health Hazards (Chronic):** For purposes of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture. These products have been used extensively by consumers and Zotos is not aware of any significant adverse effects. None of the ingredients are carcinogenic or suspected carcinogens by NTP, OSHA, or IARC.

**Skin Contact:** Skin irritant. Can induce skin sensitization.

**Eye Contact:** Irritating to the mucous membrane of the eyes.

**Inhalation:** Irritating to the mucous membrane of the respiratory system. They may trigger asthmatic attacks in sensitive individuals. Induce respiratory hypersensitivity.

**Medical Conditions Generally Aggravated by Exposure:** Will be related to the primary toxic (pharmacologic) effect of this material; pre-existing dermatitis would likely be made worse by skin irritant, bronchitis is aggravated by irritant gases or particles in the air.

## **First-aid measures**

**Inhalation:** For any signs of breathing difficulty or shortness of breath, remove person to fresh air. Increase ventilation. Seek IMMEDIATE medical attention.

**Skin contact :** Wash skin immediately with soap and water (do not use solvents). Change into clean clothing if spilled on clothes. Should allergic reaction develop, consult dermatologist.

**Eye contact:** Remove contact lenses, if used. Flush with water for 15 minutes immediately. Get medical attention IMMEDIATELY.

## **SECTION 5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** ABC all-purpose extinguisher, CO<sub>2</sub> extinguisher or water. The type of fire extinguisher should be in conformance with local fire regulations.

**Special fire-fighting procedures:** None

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions :** Wear suitable protective clothing, gloves and eye/face protection.

**Spill or Leak Procedures:** Mop and flush with water. Floors can be slippery when wet. Wash floors with detergent and water.

## **SECTION 7. HANDLING AND STORAGE**

**Handling:** When handling the product, allow for materials and conditions which should be avoided (see Section 10). Avoid contact with skin and eyes.

**Specific use(s):** Not available.

**Storage:** Store in cool, dry and well-ventilated place. Do not store and tint after it has been mixed with developer, the container may rupture.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Engineering measures:** Special ventilation not required. Ventilation should be adequate to avoid build up of irritating concentrations.

**Hygiene measures :** When using do not eat, drink or smoke. Follow good housekeeping practices. Avoid all skin, eye and clothing contact.

## Personal Protective Equipment

**Respiratory system:** With sufficient ventilation, extraction or closed system, breathing apparatus not necessary. When excessive or prolonged exposure is anticipated, a respirator is recommended.

**Skin and body:** Wear suitable protective clothing.

**Hands:** Wear suitable gloves (rubber or plastic).

**Eyes:** Under normal conditions, none required. Avoid contact with eyes.

**Other protective equipment:** Not available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Creme.
<b>Color:</b>	Opaque.
<b>Odor:</b>	Ammoniacal odor.
<b>Molecular weight:</b>	Not available.
<b>Boiling point:</b>	N/A
<b>Melting point:</b>	Not available.
<b>Density:</b>	1.1 - 2.1
<b>Vapour density (air=1):</b>	Not available.
<b>Vapor pressure :</b>	Not available.
<b>Specific gravity (H2O=1):</b>	0.985-1.05
<b>Solubility in water:</b>	Partly soluble
<b>Octanol/water partition:</b>	Not available
<b>Coefficient pH:</b>	9.30 – 10.0
<b>Flash point:</b>	> 160°C
<b>Explosion properties :</b>	Not explosive.

## SECTION 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous reactions:</b>	Not available.
<b>Chemical Imcompatibility:</b>	Strong Acids, Metals
<b>Hazardous Decomposition Products:</b>	Ammonia
<b>Special Conditions to Avoid:</b>	Heat, sunlight

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicity:** Gleason Toxicity Rating: 3 (Gosselin, Hodge, Smith and Gleason) Moderately toxic if ingested.

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**Acute toxicity:** N/A

**Dermal:** Repeated exposure may cause skin dryness or cracking.

**Eye irritation:** May be irritating.

## SECTION 12. ECOLOGICAL INFORMATION

No ecological information is known on the product.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** Disposal should be in accordance with all applicable Local, State and Federal Regulations.

## SECTION 14. TRANSPORT INFORMATION

**DOT Class:** Exempt  Red Label: \_\_\_ Consumer Commodity ORM-D \_\_\_

Oxidizer \_\_\_ UN No. \_\_\_

## SECTION 15. REGULATORY INFORMATION

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)  
This Material is not known to contain any chemicals currently listed as carcinogens or reproductive toxics under California Proposition 65 at levels which would be subject to the proposition.

## SECTION 16. SUPPLIER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date issued. We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. The information is offered for the user's consideration and examination, and it is the user's responsibility to satisfy himself that it is suitable and complete for his particular use.

### Abbreviations:

Na (N/A): Not Available  
UNK: Unknown  
NE (N/E): Not Established  
ND (N/D): Not Determined