

- 1) Effects of Acute Accidental Exposure:
Eye Contact: CAUTION. Unmixed oxidation hair colors are eye irritants.
When oxidation hair colors are mixed with developers (hydrogen peroxide), the mixture may cause skin irritation and possible permanent eye injury.
Skin Contact: Irritant.
Skin Sensitizer: May cause allergic reaction in some individuals upon exposure.
Inhalation: Inhalation of ammonia vapors may result in respiratory irritation.
Ingestion: Moderately toxic.
- 2) Effects of Chronic Exposure:
A composite mixture of oxidation dyes has been tested in prolonged topical exposure studies of laboratory animals. No adverse effects on growth, reproduction or general health were observed.
These products contain 2-nitro-p-phenylenediamine, which when fed at extremely high doses were found to cause benign liver tumors in female mice (NTP). These effects were not observed in feeding studies in male mice or male and female rats. Dosage levels producing the adverse effects in female mice were equivalent to women drinking about ½ gallon of hair color per day for a lifetime. Independent pathologists and oncologists have concluded that the results are not relevant to human health.
In topical studies no target organ toxicity was observed other than limited effect on treated skin.
- 3) Carcinogen Status: OSHA: No NTP: Yes IARC: Listed as Inconclusive
- 4) Route of entry:
Inhalation: Yes Ingestion: Yes Skin: Yes.
- 5) Pre-existing dermatitis would likely be made worse by exposure to oxidation hair color products. Bronchitis may be aggravated by irritant vapors.
- 6) Emergency and First Aid Procedures
 - a) **Eye Contact:** Remove contact lenses. Flush immediately with plenty of water for 15 minutes. Get medical attention IMMEDIATELY.
 - b) **Skin Contact:** If spilled, wash skin immediately with soap and water (do not use solvents). Change into clean clothing. If allergic reaction develops, contact dermatologist.
 - c) **Inhalation:** Remove person to fresh air. Increase ventilation.
 - d) **Ingestion:** Rinse out mouth with water and administer large amounts of milk. Contact Poison Control Center.

SECTION VII- Precautions for Safe Handling and Use

Material Release or Spill: Contain spill and promptly clean up. Flush with water and wipe with towel to rinse drain. Floor can be slippery when wet.

Waste Disposal Method: Products covered by MSDS are considered non-hazardous waste according to RCRA. Disposal should be in accordance with all applicable Local, State, and Federal Regulations.

Handling and Storage: Follow flammable liquid storage requirements, if applicable. Do not expose to sunlight. Keep away from radiators and heat. Do not store any hair color after it has been mixed with developer. Decomposition of hydrogen peroxide may occur with increase in pressure and possible container rupture.

SECTION VIII- Control Measures

Ventilation: Exhaust system ventilation should be adequate to avoid buildup of vapors.

Eye Protection: Avoid contact with eyes. Use protective eyewear, if splashing is possible.

Protective Gloves: Use impervious gloves.

Respiratory Protection: Avoid inhalation.

Work Hygienic Practices: Avoid all skin, eye, and clothing contact with products. In case of contact, rinse thoroughly with water. Promptly clean up all spills.

SECTION IX- Transportation information

Dot class: Customer Commodity ORM-D.

IATA/ICAO: Customer Commodity Class: 9, ID 8000 Packing Instruction 910.

IMDG: Dangerous Goods in Limited Quantities of Class3.
