

SAFETY DATA SHEET



I. PRODUCT INFORMATION

Page 1

PRODUCT NAME: Hair Color

CHEMICAL NAME:

CAS NUMBER: N/A

CHEMICAL FAMILY: N/A

CHEMICAL FORMULA: Hair Color 5R

II. SUMMARY OF HAZARDS

Product is a known eye and inhalation irritant. Use gloves and goggles. Product is flammable

III. HAZARDOUS COMPONENTS

<u>NAME</u>	<u>CAS NO.</u>	<u>%</u>	<u>EXPOSURE LIMITS</u>		<u>OTHER</u>
			<u>PEL</u>	<u>TLV</u>	
Ethyl Alcohol	67-63-0	<20%	400 ppm	500 ppm	
May contain one or more of the following components:					
1-NAPHTHOL	90-15-3	<3	NA	NA	OEL:0.5 mg/m3
2,4-DIAMINOPHENOXYETHANOL HCl	66422-95-5	<3	NA	NA	
2-METHYLRESORCINOL	608-25-3	<3	NA	NA	
4-METHYLAMINOPHENOLSULFATE	55-55-0	<3	NA	NA	
2-METHYL-5-HYDROXYETHYLAMINOPHENOL	55302-96-0	<3	NA	NA	
2-AMINO-3-HYDROXYPYRIDINE	16867-03-1	<3	NA	NA	
HYDROQUINONE	123-31-9	<3	NA	NA	

NAME	CAS NO.	%	EXPOSURE LIMITS		
			PEL	TLV	OTHER
4-AMINO-o-CRESOL	2835-95-2	<3	NA	NA	
4-CHLORORESORCINOL	95-88-5		NA	NA	
5-AMINO-6-CHLORO-o-CRESOL	84540-50-1	<3	5 mg/m ³	3 mg/m ³	
N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENDIAMINE SULFATE	54381-16-7	<3	NA	NA	
p-AMINOPHENOL	123-30-8	<3	NA	NA	
p-AMINO-O-CRESOL	2835-95-2	<3	NA	NA	
m-AMINOPHENOL	591-27-5	<3	NA	NA	
p-PHENYLENDIAMINE	106-50-3	<3	0,1 mg/m ³ 8h	0,1 mg/m ³ /8h	
RESORCINOL	108-46-3	<3	45 mg/m ³	10 ppm	90 mg/m ³ (STEL)
pTOLUENDIAMINE SULFATE	615-50-9	<3	NA	NA	
PYROGALLOL	87-66-1	<3	NA	NA	
2-NITRO-P-PHENYLENEDIAMINE	5307-14-2	<3	NA	NA	
4-NITRO-O-PHENYLENEDIAMINE	99-56-9	<3	NA	NA	
DISPERSE BLUE 3	219-604-2	<3	NA	NA	
HC YELLOW #4	59820-43-8	<3	NA	NA	

IV. CHEMICAL AND PHYSICAL PROPERTIES

BOILING POINT: 220° F

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SOL. IN WATER: Complete

SPECIFIC GRAVITY: 0.985 – 0.992 @ 22° C

pH: 10.5 – 11.5 (neat solution)

EVAPORATION RATE: N/A

APPEARANCE/ODOR: Clear, light amber liquid; pleasant fragrance

V. HEALTH HAZARD DATA & FIRST AID PROCEDURES

TOXICITY DATA

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

SKIN CONTACT: Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN ABSORPTION: Wash skin with soap and water. Wear gloves to reduce chance of skin irritation.

INHALATION: Remove to fresh air. Not expected to require first aid measures.

INGESTION: Contact a physician if large amounts are ingested or if irritation develops or persists.

CHRONIC EFFECTS OF EXPOSURE: None expected

OTHER HEALTH EFFECTS: None expected

VI. EXPOSURE CONTROL MEASURES

EYE PROTECTION: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

PROTECTIVE GLOVES: Wear during use of Hair Color

RESPIRATORY PROTECTION: None required

OTHER PROTECTION: None required

VENTILATION: Normal ventilation adequate

PERSONAL HYGIENE/WORK PRACTICES: Wash hands thoroughly with soap and water

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 32.0 C (TCC)

FLAMMABLE LIMITS LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Dry chemical, foam, Water or Carbon Dioxide.

FIRE FIGHTING INSTRUCTIONS: Wear normal fire-fighting gear

UNUSUAL FIRE AND EXPLOSION HAZARDS: None under normal conditions.

VIII. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers, strong acids, copper, aluminum, zinc, galvanized metals, gold, silver, and alloys of these materials.

HAZARDOUS PRODUCTS OF COMPOSITION: None

HAZARDOUS POLYMERIZATION: Will not occur

IX. ENVIRONMENTAL & DISPOSAL INFORMATION

GENERAL: This material is expected to readily biodegrade.

DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

X. PRECAUTIONS FOR SAFE HANDLING, STORAGE AND USE

Store in a cool, dry place.

XI TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbed through skin. Eye contact. Inhalation.

Toxicity to Animals:

Acute oral toxicity (LD50): 5143 mg/kg (Mouse) (Calculated value for the mixture). Acute dermal toxicity (LD50): 18286 mg/kg (Rabbit) (Calculated value for the mixture).

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.)

by IARC [Isopropyl alcohol]. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Development toxin

[POSSIBLE] [Isopropyl alcohol]. Contains material which may cause damage to the following organs: kidneys, liver, skin, central nervous system (CNS).

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May cause adverse reproductive/teratogenic effects (fertility, fetotoxicity, development) and fetal abnormalities (developmental toxin) based on animal studies. Detected in maternal milk in human. (Isopropyl alcohol)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: May cause mild skin irritation, and sensitization.

Eyes: Can cause eye irritation.

Inhalation: Breathing in small amounts of this material during normal handling is not likely to cause harmful effects. However, breathing large amounts may be harmful and may affect the respiratory system and mucous membranes (irritation), behavior and brain (Central nervous system depression - headache, dizziness, drowsiness, stupor, incoordination, unconsciousness, coma and possible death), peripheral nerve and sensation, blood, urinary system, and liver. Ingestion: Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Swallowing large amounts may cause gastrointestinal tract irritation with nausea, vomiting and diarrhea, abdominal pain. It also may affect the urinary system, cardiovascular system, sense

XII ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

XIII DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations

XIV. SHIPPING INFORMATION

For shipments other than by air in less than 1-liter container: Consumer Commodity, ORM-D.

For all other shipments:

Isopropanol, 3, UN1219, PGII, Flammable Liquid.

XV REGULATORY INFORMATION

Federal and State Regulations:

Connecticut hazardous material survey.: Isopropyl alcohol Illinois toxic substances disclosure to employee act: Isopropyl

alcohol Rhode Island RTK hazardous substances: Isopropyl alcohol Pennsylvania RTK: Isopropyl alcohol

Florida: Isopropylalcohol Minnesota: Isopropyl alcohol Massachusetts RTK: Isopropyl alcohol New

Jersey: Isopropyl alcohol New Jersey spilllist: Isopropyl alcohol TSCA 8(b) inventory: Isopropyl alcohol;

Water TSCA 4(a) final testing order: Isopropyl alcohol TSCA 8(a)

IUR: Isopropyl alcohol TSCA 8(d) H and S data reporting: Isopropyl alcohol: Effective date: 12/15/86

Sunset Date: 12/15/96 TSCA 12(b) one time export: Isopropyl alcohol SARA 313 toxic chemical notification and release reporting: Isopropyl alcohol 70%

XVI. ADDITIONAL INFORMATION

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT

For additional product safety or product use information, contact the Product Manager at address or phone number listed on page one.

DISCLAIMER

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond this company's control it is the users responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various government agencies (e.g. DOT, EPA and FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.