SAFETY DATA SHEET



1. Identification

Product identifier MATRIX SOCOLOR POWER COOLS PERMANENT HAIRCOLOR - GROUP 1

Other means of identification

SDS number 80-21-0000232

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address: L'Oreal USA Products. Inc

> 133 Terminal Avenue Clark, NJ 07066

USA

Canadian Address: L'Oreal Canada

4895 rue Hickmore

Ville St-Laurent, H4T 1K5

Canada

Emergency Phone #: 1-800-535-5053 (International: 352-323-3500)

In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control #: 412-390-3326

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 1B

> Serious eye damage/eye irritation Category 1 Sensitization, skin Category 1A

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious

eye damage. May cause respiratory irritation.

Precautionary statement

Do not breathe mist/vapors. Wash thoroughly after handling. Use only outdoors or in a Prevention

well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear

protective gloves/protective clothing/eye protection/face protection.

Material name: MATRIX SOCOLOR POWER COOLS PERMANENT HAIRCOLOR - GROUP 1 38616 Version #: 01 Issue date: 08-29-2019

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all Response

contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated

clothing before reuse.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations. Disposal

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
COCAMIDE MEA		68140-00-1	18
STEARAMIDE MEA		111-57-9	5.7
ETHANOLAMINE		141-43-5	5.2
GLYCERIN		56-81-5	3
PEG-2 OLEAMINE		26635-93-8	3
AMMONIUM HYDROXIDE		1336-21-6	2.06
N,N-BIS(2-HYDROXYETHYL)-p-F ENYLENEDIAMINE SULFATE	PH	54381-16-7	< 0.2
P-PHENYLENEDIAMINE		106-50-3	≤ 0.3
RESORCINOL		108-46-3	≤ 0.2

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison

center or doctor/physician if you feel unwell.

Remove contaminated clothing immediately and wash skin with soap and water. Call a physician Skin contact

or poison control center immediately. Chemical burns must be treated by a physician. Wash

contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If Ingestion

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important

symptoms/effects, acute and

delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result. May cause respiratory irritation.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash

contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Special protective equipment

During fire, gases hazardous to health may be formed.

and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions. protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Components	Contaminants (29 CFR 1910.1000) Type	Value	Form
AMMONIUM HYDROXIDE	PEL	35 mg/m3	
(CAS 1336-21-6)		·	
		50 ppm	
ETHANOLAMINE (CAS 141-43-5)	PEL	6 mg/m3	
		3 ppm	
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
P-PHENYLENEDIAMINE (CAS 106-50-3)	PEL	0.1 mg/m3	
US. ACGIH Threshold Limit Value	s		
Components	Туре	Value	
AMMONIUM HYDROXIDE (CAS 1336-21-6)	STEL	35 ppm	
	TWA	25 ppm	
ETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	
P-PHENYLENEDIAMINE (CAS 106-50-3)	TWA	0.1 mg/m3	
RESORCINOL (CAS 108-46-3)	STEL	20 ppm	
	TWA	10 ppm	
US. NIOSH: Pocket Guide to Chen	nical Hazards		
Components	Туре	Value	
AMMONIUM HYDROXIDE (CAS 1336-21-6)	STEL	27 mg/m3	

Material name: MATRIX SOCOLOR POWER COOLS PERMANENT HAIRCOLOR - GROUP 1 38616 Version #: 01 Issue date: 08-29-2019

US.	NIOSH:	Pocket	Guide to	Chemical	Hazards
-----	--------	---------------	----------	----------	---------

Components	Туре	Value	
		35 ppm	
	TWA	18 mg/m3	
		25 ppm	
ETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3	
		6 ppm	
	TWA	8 mg/m3	
		3 ppm	
P-PHENYLENEDIAMINE (CAS 106-50-3)	TWA	0.1 mg/m3	
RESORCINOL (CAS 108-46-3)	STEL	90 mg/m3	
		20 ppm	
	TWA	45 mg/m3	
		10 ppm	

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

P-PHENYLENEDIAMINE (CAS 106-50-3)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

P-PHENYLENEDIAMINE (CAS 106-50-3) Skin designation applies.

US - Tennessee OELs: Skin designation

P-PHENYLENEDIAMINE (CAS 106-50-3)

Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

P-PHENYLENEDIAMINE (CAS 106-50-3)

Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

P-PHENYLENEDIAMINE (CAS 106-50-3)

Can be absorbed through the skin.

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full

facepiece.

Skin protection

Hand protection Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other Applicable for industrial settings only. Wear appropriate chemical resistant clothing.

Respiratory protection Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full

facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the

workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid.
Form Cream.
Color Not available.
Odor Characteristic.
Odor threshold Not available.

рH Not available. Melting point/freezing point Not available.

Initial boiling point and boiling

> 212 °F (> 100 °C)

range

> 212.0 °F (> 100.0 °C) Closed Cup Flash point

Evaporation rate Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available. Vapor pressure Not available. Vapor density Not available. Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Not available. Partition coefficient

(n-octanol/water)

Auto-ignition temperature Not available. **Decomposition temperature** Not available. Not available. **Viscosity**

Other information

Density >= 0.96 g/cm³ **Explosive properties** Not explosive. Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions. **Chemical stability**

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with

incompatible materials.

Incompatible materials Strong acids. Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact Causes severe skin burns. May cause an allergic skin reaction.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not

been observed in humans.

Eve contact Causes serious eye damage. Causes digestive tract burns. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including

blindness could result. May cause respiratory irritation.

Information on toxicological effects

Not known. **Acute toxicity Product Species Test Results** MATRIX SOCOLOR POWER COOLS PERMANENT HAIRCOLOR - GROUP 1 **Acute Dermal ATEmix** 35600 mg/kg Oral **ATEmix** 8243 mg/kg Components **Test Results Species** AMMONIUM HYDROXIDE (CAS 1336-21-6) Acute Inhalation LC50 Rat 11590 mg/l, 1 h Oral LD50 Rat 350 mg/kg bw OECD 401 COCAMIDE MEA (CAS 68140-00-1) **Acute** Dermal LD50 Rabbit > 2000 mg/kg bw Oral LD50 Rat > 3000 mg/kg bw OECD 401 ETHANOLAMINE (CAS 141-43-5) **Acute Dermal** LD50 Rabbit 2504 mg/kg OECD 402 Inhalation Vapor LC50 Rat > 1.3 mg/l, 6 h Oral LD50 Rat 1515 mg/kg OECD 401 **GLYCERIN (CAS 56-81-5) Acute Dermal** LD50 Rabbit > 18700 mg/kg bw Inhalation LC50 Rat > 570 mg/L air, 1 h Oral Rat 27200 mg/kg bw LD50 N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE (CAS 54381-16-7) **Acute**

Oral

LD50 Rat

Rat 264 mg/kg

PEG-2 OLEAMINE (CAS 26635-93-8)

Acute Oral

LD50 Rat 1260 mg/kg OECD 401

P-PHENYLENEDIAMINE (CAS 106-50-3)

Acute

Dermal

LD50 Rabbit > 7940 mg/kg

_				
Componen		Species		Test Results
	nalation			
	por or aerosol 550	Rat		0.02 mg/l 4 Hours
		Nai		0.92 mg/l, 4 Hours
Or		D. I		00 400
	050	Rat		80 - 100 mg/kg bw
RESORCIN	OL (CAS 108-46-3)			
Ac	<u>cute</u>			
De	ermal			
LD	950	Rabbit		2830 mg/kg FHSL Act
Inl	nalation			
Ae	erosol			
LC	0	Rat		> 7800 mg/m³, 1 h FHSL Act
Or	al			
LD	50	Rat		510 mg/kg OECD 401
STEARAMI	DE MEA (CAS 111-57-9)			
	cute			
·	ermal			
	950	Rabbit		> 2000 mg/kg
LL	750	Nabbit		
				> 2000 mg/kg, 24 Hours
Or		_		
LD	050	Rat		> 3000 mg/kg
				> 2000 mg/kg OECD 401
Skin corros	sion/irritation (Causes severe skin burns and	eye damage.	
Irri	itation Corrosion - Skin			
	RESORCINOL		FHLS Act, (100%)	
			Result: Irritating	
	ETHANOLAMINE		Species: Rabbit OECD 404	
	LITIANOLAWINE		Result: Corrosive	
			Species: Rabbit	
	PEG-2 OLEAMINE		OECD 404	
			Result: Corrosive Species: Rabbit	
	AMMONIUM HYDROXI	DE	OECD 404	
			Result: Corrosive	
			Species: Rat	
	COCAMIDE MEA		OECD 404 Result: Irritating	
			Species: Rabbit	
	RESORCINOL		OECD 404, (2.5%)	
			Result: Not Irritating Species: Rabbit	
	STEARAMIDE MEA			test data for structurally similar
	0.2		materials.	. toot data for our dotain, on man
			Result: Irritating	
	N N DIC/2 HVDDOVVE	TUVI) ~ DUENVI ENEDIAMI	Species: Rabbit	
	NE SULFATE	THYL)-p-PHENYLENEDIAMI	Result: Not Irritating	
			Species: In vitro	
	P-PHENYLENEDIAMIN	IE	Result: Not Irritating	
	CLVCEDIN		Species: Guinea pig	
	GLYCERIN		Result: Not Irritating Species: Rabbit	
0	a damagalaya (Sausas sorious ava damaga		

Serious eye damage/eye irritation

Causes serious eye damage.

Irritation Corrosion - Eye

RESORCINOL FHLS Act, (100%)

Result: Corrosive Species: Rabbit

COCAMIDE MEA **OECD 405**

> Result: Corrosive Species: Rabbit

ETHANOLAMINE

OECD 405 Result: Corrosive Species: Rabbit

OECD 405 P-PHENYLENEDIAMINE

Result: Irritating Species: Rabbit

OECD 405, (2.5%) RESORCINOL

Result: Not Irritating Species: Rabbit

STEARAMIDE MEA OECD 405, Based on test data for structurally similar

materials.

Result: Corrosive Species: Rabbit

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI OECD 438

NE SULFATE Result: Irritating

Species: In vitro

AMMONIUM HYDROXIDE Result: Corrosive **GLYCERIN** Result: Not Irritating Species: Rabbit

Respiratory or skin sensitization

Due to partial or complete lack of data the classification is not possible. Respiratory sensitization

Skin sensitization May cause an allergic skin reaction.

Skin sensitization

GLYCERIN 167 mg/m3 air OECD 413, Inhalation

> Result: NOAEL Species: Rat Test Duration: 90 d

OECD 406 COCAMIDE MEA

> Result: Not Sensitizing Species: Guinea pig

OECD 406 PEG-2 OLEAMINE

> Result: Not Sensitizing Species: Guinea pig

OECD 406, Based on test data for structurally similar STEARAMIDE MEA

materials.

Result: Not Sensitizing Species: Guinea pig

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI OECD 429

Result: Sensitizing NE SULFATE

Species: Mouse

P-PHENYLENEDIAMINE **OECD 429**

> Result: Sensitizing Species: Mouse

RESORCINOL **OECD 429**

> Result: Sensitizing Species: Mouse

Result: Not Sensitizing **ETHANOLAMINE**

Species: Guinea pig

Result: Not Sensitizing **GLYCERIN** Species: Guinea pig AMMONIUM HYDROXIDE Result: Not Sensitzing

Species: Guinea pig

Due to partial or complete lack of data the classification is not possible. Germ cell mutagenicity

Mutagenicity

GLYCERIN Result: In vitro and in vivo tests did not show mutagenic

effects.

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI Result: In vitro and in vivo tests did not show mutagenic

NE SULFATE effects.

ETHANOLAMINE Result: In vitro and in vivo tests did show mutagenic effects Mutagenicity

AMMONIUM HYDROXIDE

COCAMIDE MEA

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

STEARAMIDE MEA

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests did not show mutagenic effects

Result: In vitro tests showed mutagenic effects which were

not observed with in vivo test.

RESORCINOL Result: In vitro tests showed mutagenic effects which were

not observed with in vivo test.

Carcinogenicity Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the

classification is not possible.

IARC Monographs. Overall Evaluation of Carcinogenicity

P-PHENYLENEDIAMINE

P-PHENYLENEDIAMINE (CAS 106-50-3)

RESORCINOL (CAS 108-46-3)

3 Not classifiable as to carcinogenicity to humans.

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicityDue to partial or complete lack of data the classification is not possible.

Developmental effects

COCAMIDE MEA > 1000 mg/kg bw/d OECD 414, No effects on development

Result: NOEL Species: Rat

ETHANOLAMINE >= 450 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI >= 50 mg/kg bw/d OECD 414

NE SULFATE Result: NOAEL

Species: Rat

P-PHENYLENEDIAMINE 10 mg/kg bw/d OECD 414 Result: NOAEL

Species: Rat

STEARAMIDE MEA 1000 mg/kg bw/d OECD 414, Based on test data for

structurally similar materials.

Species: Rat

GLYCERIN 1310 mg/kg bw/d, No effects on development

Result: NOAEL Species: Rat

PEG-2 OLEAMINE 150 mg/kg bw/d OECD 414

Result: NOEL Species: Rat

RESORCINOL 250 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

Reproductivity

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI 20 mg/kg bw/d OECD 408

NE SULFATE Result: NOAEL

Species: Rat Test Duration: 90 d

GLYCERIN 2000 mg/kg bw/d, No effects on fertility

Result: NOAEL

Species: Rat

RESORCINOL 245 mg/kg bw/d OECD 416

Result: NOAEL Species: Rat

PEG-2 OLEAMINE 30 mg/kg bw/d OECD 422

Result: NOEL Species: Rat

ETHANOLAMINE 300 mg/kg bw/d OECD 416

Result: NOAEL Species: Rat

Specific target organ toxicity - May cause respiratory irritation.

single exposure

AMMONIUM HYDROXIDE Result: Highly Irritating

Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity -

repeated exposure

COCAMIDE MEA > 750 mg/kg bw/d OECD 407

Result: NOAEL Species: Rat Test Duration: 28 d

> 750 mg/kg bw/d OECD 407, Oral STEARAMIDE MEA

Result: NOAEL Species: Rat Test Duration: 28 d

ETHANOLAMINE 150 mg/m3 air OECD 412, Inhalation

Result: NOAEC Species: Rat Test Duration: 28 d

P-PHENYLENEDIAMINE 16 mg/kg bw/d OECD 408

> Result: NOAEL Species: Rat Test Duration: 90 d

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE

SULFATE

RESORCINOL

20 mg/kg bw/d OECD 408

Result: NOAEL Species: Rat Test Duration: 90 d

300 mg/kg bw/d OECD 416, Oral **ETHANOLAMINE**

> Result: NOAEL Species: Rat

5 mg/kg bw/d OECD 408 **PEG-2 OLEAMINE**

Result: NOEL Species: Rat Test Duration: 90 d

RESORCINOL 80 mg/kg bw/d OECD 408, Oral

Result: NOAEL Species: Rat Test Duration: 90 d

8000 mg/kg bw/d, Oral **GLYCERIN**

Result: NOAEL Species: Rat Test Duration: 2 yr 991 mg/m³ Result: NOAEC Species: Rat

Test Duration: 14 d

Due to partial or complete lack of data the classification is not possible. **Aspiration hazard**

May be harmful if absorbed through skin. **Chronic effects**

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not

been observed in humans.

Further information May cause allergic respiratory and skin reactions.

12. Ecological information

Fish

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components **Species Test Results** AMMONIUM HYDROXIDE (CAS 1336-21-6) Aquatic

Acute Algae EC50 Chlorella vulgaris 2700 mg/l, 18 d Crustacea EC50 Daphnia magna 101 mg/l, 48 h ASTM E729-80 Fish LC50 0.89 mg/l, 96 h Oncorhynchus mykiss Chronic Crustacea NOEC Daphnia magna 0.79 mg/l, 21 d

Oncorhynchus mykiss

Material name: MATRIX SOCOLOR POWER COOLS PERMANENT HAIRCOLOR - GROUP 1

NOEC

SDS US 38616 Version #: 01 Issue date: 08-29-2019

1.2 mg/l, 61 d OECD 210

Components		Species	Test Results
COCAMIDE MEA (CAS	68140-00-1)		
Aquatic			
Acute	5050	Barrier to a construction of	0.0 // 70 / 0500 004
Algae	EC50	Desmodesmus subspicatus	3.9 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	3 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	> 3 mg/l, 96 h OECD 203
Other	EC50	Pseudomonas putida	6000 mg/l, 16 h DIN 38412, Pt. 8
ETHANOLAMINE (CAS	3 141-43-5)		
Aquatic			
<i>Acute</i> Algae	EC50	Pseudokirchneriella subcapitata	2.8 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	65 mg/l, 48 h EU C.2
Fish	LC50	Cyprinus carpio	349 mg/l, 96 h EU C.1
Other	EC10	Activated sludge of a predominantly	> 1000 mg/l, 30 min OECD 209
Otrici	2010	domestic sewage	> 1000 mg/i, 30 mill OLOD 203
Chronic			
Crustacea	NOEC	Daphnia magna	0.85 mg/l, 21 d OECD 211
Fish	NOEC	Oryzias latipes	1.24 mg/l, 41 d OECD 210
GLYCERIN (CAS 56-81	l-5)		
Aquatic			
Acute	500		40000 # 400 !
Algae	EC0	Scenedesmus quadricauda	> 10000 mg/l, 192 h
Crustacea	EC50	Daphnia magna	1955 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	54000 mg/l, 96 h
Other	NOEC	Pseudomonas putida	> 10000 mg/l, 16 h
·	THYL)-p-PHENYI	LENEDIAMINE SULFATE (CAS 54381-16-7))
Aquatic <i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	0.338 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	0.381 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	> 235 mg/l, 96 h
Other	EC50	Activated sludge of a predominantly	228 mg/l, 3 h OECD 209
0 1101	2000	domestic sewage	220 Mg/II, 0 II 0200 200
Chronic			
Crustacea	NOEC	Daphnia magna	0.674 mg/l, 21 d OECD 211
PEG-2 OLEAMINE (CA	S 26635-93-8)		
Aquatic			
Acute	EC50	Dagudakirahparialla auhaanitata	0.0967 mg/l 72 h OFCD 201
Algae		Pseudokirchneriella subcapitata	0.0867 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	0.043 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	0.1 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	128 mg/l, 3 h OECD 209
Chronic		v	
Algae	EC10	Pseudokirchneriella subcapitata	0.0341 mg/l, 72 h OECD 201
Crustacea	EC10	Daphnia magna	0.0011 mg/l, 21 d OECD 211

Components		Species	Test Results
P-PHENYLENEDIAMI	NE (CAS 106-50-3)		
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	0.27 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	0.33 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	3.9 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	13.4 mg/l, 3 h OECD 209
RESORCINOL (CAS 1	108-46-3)		
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	> 97 mg/l, 97 h OECD 201
Crustacea	LC50	Daphnia magna	1 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas	26.8 mg/l, 96 h EPA-660/3/75-00
Other		Activated sludge of a predominantly domestic sewage	79 mg/l, 3 h OECD 209
Chronic			
Crustacea	NOEC	Daphnia magna	>= 0.172 mg/l, 21 d
Fish	LOEC	Oncorhynchus mykiss	320 mg/l, 60 d
STEARAMIDE MEA (CAS 111-57-9)		
Aquatic			
Acute	5050	5	0.7
Algae	EC50	Pseudokirchneriella subcapitata	8.7 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	3 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	> 3 mg/l, 96 h OECD 203
Other	EC50	Pseudomonas putida	6 mg/l, 16 h
Chronic			
Crustacea	NOELR	Daphnia magna	< 1 mg/l, 21 d OECD 211
Fish	NOEC	Oncorhynchus mykiss	0.32 mg/l, 28 d OECD 204
istence and degrada	bility		
Biodegradability			
	tion (Aerobic biode	•	
COCAMIDE MEA		99 % OECD 301 B	

Pe

Result: Readily Biodegradable

Test Duration: 28 d

ETHANOLAMINE > 90 % OECD 301 A

Result: Readily Biodegradable

Test Duration: 21 d

GLYCERIN OECD 301

Result: Readily Biodegradable

14.3 % OECD 301B N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE

Result: Not Readilby Biodegradable

SULFATE

Test Duration: 28 d

Result: Readily Biodegradable **PEG-2 OLEAMINE** 28 - 30 % OECD 301 D P-PHENYLENEDIAMINE

Result: Not Readily Biodegradable

Test Duration: 28 d

RESORCINOL 66.7 % OECD 301 C

Result: Readily Biodegradable

Test Duration: 14 d 69 % OECD 301 D

Result: Readily Biodegradable

Test Duration: 28 d

Bioaccumulative potential

STEARAMIDE MEA

Partition coefficient n-octanol / water (log Kow)

ETHANOLAMINE -2.3 OECD 107

GLYCERIN -1.76 N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE -2.8

SULFATE

-2.8 OECD 107

PEG-2 OLEAMINE 3.4
P-PHENYLENEDIAMINE -0.25
RESORCINOL 0.8

Bioaccumulation

COCAMIDE MEA Result: Bioaccumulation is unlikely. ETHANOLAMINE Result: Bioaccumulation is unlikely.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

FINISHED GOODS

UN number UN1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE, ETHANOLAMINE), Limited Quantity

Class 8 Packing group II

Transport hazard class(es)

Label(s) Limited Quantity

Packaging exceptions 154 LTD QTY Net Inner Capacity 1.0 L

BULK

UN number UN1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE, ETHANOLAMINE), MARINE

POLLUTANT (PEG-2 OLEAMINE)

Class 8
Packing group ||

Environmental hazards

Marine pollutant Yes
Transport hazard class(es)

Label(s) 8

Special provisions B2, IB2, T11, TP2, TP27

Packaging non bulk 202

IATA

FINISHED GOODS

UN number UN1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE, ETHANOLAMINE)

Class 8
Packing group |

Transport hazard class(es)

Label(s) Class 8, Limited Quantity

ERG Number 8L LTD QTY Net Inner Capacity 0.1 L **BULK**

UN number UN1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE, ETHANOLAMINE)

Class 8 Packing group II

Environmental hazards

Marine pollutant Yes ERG Number 8L

IMDG

FINISHED GOODS

UN number UN1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE, ETHANOLAMINE), Limited Quantity

Class 8
Packing group ||

Environmental Hazards

Marine pollutant No.

Transport hazard class(es)

Label(s) Limited Quantity

EmS F-A, S-B LTD QTY Net Inner Capacity 1.0 L

BULK

UN number UN1760

UN proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE, ETHANOLAMINE), MARINE

POLLUTANT (PEG-2 OLEAMINE)

Class 8
Packing group II

Environmental hazards

Marine pollutant Yes EmS F-A, S-B

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

AMMONIUM HYDROXIDE (CAS 1336-21-6) Listed.
P-PHENYLENEDIAMINE (CAS 106-50-3) Listed.
RESORCINOL (CAS 108-46-3) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No (Exempt)

chemical

SARA 313 (TRI reporting)

Chemical nameCAS number% by wt.AMMONIUM HYDROXIDE1336-21-62.06

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

P-PHENYLENEDIAMINE (CAS 106-50-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act No.

(SDWA)

Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

GLYCERIN (CAS 56-81-5) Other Flavoring Substances with OSHA PEL's

RESORCINOL (CAS 108-46-3) Low priority

16. Other information, including date of preparation or last revision

Issue date 08-29-2019

Version # 01

NFPA ratings Health: 3

Flammability: 1 Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

Material name: MATRIX SOCOLOR POWER COOLS PERMANENT HAIRCOLOR - GROUP 1

38616 Version #: 01 Issue date: 08-29-2019 15 / 15

SDS US