SAFETY DATA SHEET

PULP**RIOT**

1. Identification

Product identifier PULP RIOT PERMANENT COLOR - GROUP 6

Other means of identification

SDS number 00-21-0000368

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Address: Pulp Riot

16501 Ventura Blvd #500

Encino, CA 91436

USA

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

For further Information: 1-732-499-2741

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2

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

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

Precautionary statement

Prevention Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the

workplace. Wear eye protection/face protection. Wear protective gloves.

Response If on skin: Wash with plenty of water. 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. Take off contaminated

clothing and wash it before reuse.

Storage Store away from incompatible materials.

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

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	%
LAURETH-3		68439-50-9	5
AMMONIUM HYDROXIDE		1336-21-6	1.8

Material name: PULP RIOT PERMANENT COLOR - GROUP 6
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Chemical name	Common name and synonyms	CAS number	%
2-AMINO-6-CHLORO-4-NITROPH NOL	E	6358-09-4	< 2
ETHANOLAMINE		141-43-5	< 2
OLEYL PHOSPHATE		37310-83-1	1.25
1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE		155601-30-2	< 2
TOLUENE-2,5-DIAMINE SULFATE		615-50-9	< 1
P-AMINOPHENOL		123-30-8	< 1
2-AMINO-4-HYDROXYETHYLAMII OANISOLE SULFATE	N	83763-48-8	< 0.6
N,N-BIS(2-HYDROXYETHYL)-p-PI ENYLENEDIAMINE SULFATE	1	54381-16-7	< 0.6
M-AMINOPHENOL		591-27-5	< 0.6
1-NAPHTHOL		90-15-3	≤ 0.5
RESORCINOL		108-46-3	≤ 0.5

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

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of

eczema or other skin disorders: Seek medical attention and take along these instructions. Wash

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness

contaminated clothing before reuse.

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

present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important

symptoms/effects, acute and delayed

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

and pain. May cause an allergic skin reaction. Dermatitis. Rash.

protect themselves.

Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

During fire, gases hazardous to health may be formed.

Specific hazards arising from the chemical

During life, gases nazardous to nealth may be formed.

Special protective equipment 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.

General fire hazards No unusual fire or explosion hazards noted.

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. Avoid breathing 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

This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

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

7. Handling and storage

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

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.

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

At this time, the other constituents have no known exposure limits.				
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			

Components	Туре	Value
AMMONIUM HYDROXIDE (CAS 1336-21-6)	PEL	35 mg/m3
		50 ppm
ETHANOLAMINE (CAS 141-43-5)	PEL	6 mg/m3
		3 ppm
US. ACGIH Threshold Limit Values		
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
RESORCINOL (CAS 108-46-3)	STEL	20 ppm
	TWA	10 ppm
US. NIOSH: Pocket Guide to Chem	ical Hazards	
Components	Туре	Value
AMMONIUM HYDROXIDE (CAS 1336-21-6)	STEL	27 mg/m3
		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
RESORCINOL (CAS 108-46-3)	STEL	90 mg/m3

Material name: PULP RIOT PERMANENT COLOR - GROUP 6

SDS US

Components Type Value

TWA 45 mg/m3

10 ppm

Biological limit values

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

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. Provide eyewash station and safety

20 ppm

shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles) and a

face shield. Face shield is recommended.

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. Use of an

impervious apron is recommended.

Respiratory protection Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory

equipment.

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 stateLiquid.FormCream.ColorShaded

Odor Characteristic.

Odor threshold Not available.

pH 9.7 - 10.1

Melting point/freezing point Not available.

Initial boiling point and boiling

> 212 °F (> 100 °C)

range

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

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.

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive. **Oxidizing properties** Not oxidizing.

10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

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 oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

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

been observed in humans.

Eye contact Causes serious eye damage.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause

redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not known.

Product Species Test Results

PULP RIOT PERMANENT COLOR - GROUP 6

<u>Acute</u> Dermal

ATEmix 65450 mg/kg

Oral

ATEmix 11920 mg/kg
Components Species Test Results

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE (CAS 155601-30-2)

<u>Acute</u>

Inhalation Aerosol

LD50 Rat

Rat > 5.24 mg/m3, 4 h OECD 403

Oral

LD50 Rat > 2000 mg/kg OECD 401

1-NAPHTHOL (CAS 90-15-3)

Acute

Dermal

LD50 Rabbit >= 880 mg/kg

Material name: PULP RIOT PERMANENT COLOR - GROUP 6

Test Results Components **Species** Inhalation Aerosol LD50 Rat > 420 mg/m³, 1 Hours Oral LD50 Rat 1000 - 2000 mg/kg 2-AMINO-4-HYDROXYETHYLAMINOANISOLE SULFATE (CAS 83763-48-8) **Acute** Oral Rat 588 mg/kg OECD 401 LD50 2-AMINO-6-CHLORO-4-NITROPHENOL (CAS 6358-09-4) <u>Acute</u> Oral LD50 > 2000 mg/kg OECD 401 Rat AMMONIUM HYDROXIDE (CAS 1336-21-6) **Acute** Inhalation LC50 Rat 11590 mg/l, 1 h Oral LD50 Rat 350 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 LAURETH-3 (CAS 68439-50-9) **Acute Dermal** LD50 Rabbit 2000 mg/kg, 24 Hours Rat > 5000 mg/kg EU B.1 M-AMINOPHENOL (CAS 591-27-5) **Acute** Inhalation LC50 Rat 1162 mg/m3 Oral LD50 Rat 924 mg/kg N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE (CAS 54381-16-7) **Acute Dermal** LD50 428 mg/kg Inhalation LC50 0.9 mg/l, 4 h Oral LD50 Rat 264 mg/kg

Components Species Test Results

OLEYL PHOSPHATE (CAS 37310-83-1)

Acute Dermal

LD50 Rat > 2000 mg/kg OECD 402

> 2000 mg/kg, 24 Hours

Oral

LD50 Rat > 2000 mg/kg OECD 423

> 2000 mg/kg

P-AMINOPHENOL (CAS 123-30-8)

Acute Dermal

LD50 Rabbit > 8000 mg/kg EPA OPTTS 870.1200

Inhalation

Dust

LC50 Rat > 3.42 mg/l, 4 h OECD 403

Oral

LD50 Rat 671 mg/kg EPA OPPTS 870.1100

RESORCINOL (CAS 108-46-3)

<u>Acute</u> Dermal

LD50 Rabbit 2830 mg/kg FHSL Act

Inhalation

Aerosol

LC0 Rat > 7800 mg/m³, 1 h FHSL Act

Oral

LD50 Rat 510 mg/kg OECD 401

TOLUENE-2,5-DIAMINE SULFATE (CAS 615-50-9)

Acute Dermal

LD50 - 3519 mg/l

Rabbit > 5000 mg/kg, 24 Hours

Inhalation

LC50 Rat 1.77 mg/l, 4 h

Oral

LD50 Rat 102 mg/kg

Skin corrosion/irritation Causes skin irritation.

Irritation Corrosion - Skin

RESORCINOL FHLS Act, (100%)

Result: Irritating Species: Rabbit

ETHANOLAMINE OECD 404
Result: Corrosive

Species: Rabbit

AMMONIUM HYDROXIDE OECD 404

Result: Corrosive Species: Rat

M-AMINOPHENOL OECD 404

Result: Not Irritating Species: Rabbit

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE

SULFATE Result: Slightly Irritating

Species: Rabbit

OECD 404

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Irritation Corrosion - Skin

LAURETH-3 OECD 404

Result: Slightly Irritating Species: Rabbit

RESORCINOL OECD 404, (2.5%)

Result: Not Irritating Species: Rabbit

2-AMINO-6-CHLORO-4-NITROPHENOL OECD 431

Result: Not corrosive.

Species: RhE

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI OECD 439

NE SULFATE

Result: Not Irritating

Species: In vitro

2-AMINO-4-HYDROXYETHYLAMINOANISOLE OECD 439

SULFATE

Result: Not Irritating

Species: RhE

OLEYL PHOSPHATE OECD 439

Result: Not Irritating Species: RhE

TOLUENE-2,5-DIAMINE SULFATE OECD 439

Result: Not Irritating Species: RhE

1-NAPHTHOL Result: Irritating Species: Rabbit

Result: Slightly Irritating

Species: Rabbit

Serious eye damage/eye

Causes serious eye damage.

irritation

Irritation Corrosion - Eye

P-AMINOPHENOL

P-AMINOPHENOL EPA OPPTS 870.2400

Result: Slightly Irritating Species: Rabbit

RESORCINOL FHLS Act, (100%)

FHLS Act, (100%) Result: Corrosive Species: Rabbit

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE

SULFATE

OECD 405 Result: Corrosive

Species: Rabbit ETHANOLAMINE OECD 405

Result: Corrosive Species: Rabbit

LAURETH-3 OECD 405
Result: Corrosive

Species: Rabbit

M-AMINOPHENOL OECD 405
Result: Not Irritating

Species: Rabbit

RESORCINOL OECD 405, (2.5%)
Result: Not Irritating

Species: Rabbit OECD 438

Result: Corrosive Species: In vitro

Species: In vitro OECD 438

OLEYL PHOSPHATE OECD 438
Result: Corrosive

Species: In vitro OECD 438

Result: Irritating

Species: ICE
OECD 438
Result: Irritating

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

NE SULFATE

1-NAPHTHOL

Result: Irritating

Species: ICE

Species: In vitro

2-AMINO-4-HYDROXYETHYLAMINOANISOLE

SULFATE

OECD 492 Result: Irritating Species: RhCE

2-AMINO-6-CHLORO-4-NITROPHENOL

TOLUENE-2,5-DIAMINE SULFATE

Irritation Corrosion - Eye
AMMONIUM HYDROXIDE

MONIUM HYDROXIDE Result: Corrosive

Respiratory or skin sensitization

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

Skin sensitization May cause an allergic skin reaction.

Skin sensitization

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE EU Method B.6 - Cat 1

SULFATE Result: Sensitizing

Species: Guinea pig
P-AMINOPHENOL OECD 406

Result: Sensitizing

Species: Guinea pig

OLEYL PHOSPHATE OECD 429

Result: Not Sensitizing

Species: Mouse

1-NAPHTHOL OECD 429

Result: Sensitizing Species: Mouse

2-AMINO-6-CHLORO-4-NITROPHENOL OECD 429

Result: Sensitizing Species: Mouse

M-AMINOPHENOL Species: Mol

Result: Sensitizing

Species: Mouse N.N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMI OECD 429

NE SULFATE Result: Sensitizing

Species: Mouse

RESORCINOL OECD 429

Result: Sensitizing Species: Mouse

TOLUENE-2,5-DIAMINE SULFATE OECD 429

Result: Sensitizing Species: Mouse

2-AMINO-4-HYDROXYETHYLAMINOANISOLE QSAR

SULFATE Result: Sensitizing
ETHANOLAMINE Result: Not Sensitizing
Species: Guinea pig
AMMONIUM HYDROXIDE Result: Not Sensitizing

Result: Not Sensitzing Species: Guinea pig

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

Mutagenicity

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

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE Result: In vitro tests did not show mutagenic effects

SULFATE

AMMONIUM HYDROXIDE

LAURETH-3

OLEYL PHOSPHATE

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

2-AMINO-4-HYDROXYETHYLAMINOANISOLE Result: In vitro tests showed mutagenic effects which were

SULFATE not observed with in vivo test.

M-AMINOPHENOL 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.

TOLUENE-2,5-DIAMINE SULFATE Result: In vitro tests showed mutagenic effects which were

not observed with in vivo test.

1-NAPHTHOL Result: In vitro tests showed varied results. In vivo tests

showed negative results.

P-AMINOPHENOL Result: In vivo tests showed mutagenic effects

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

RESORCINOL (CAS 108-46-3) 3 Not classifiable as to carcinogenicity to humans.

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OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

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

Developmental effects

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

TOLUENE-2.5-DIAMINE SULFATE >= 64 mg/kg bw/d OECD 414

Result: NOAEL Species: Mouse

M-AMINOPHENOL 100 mg/kg bw/d OECD 414

> Result: NOAEL Species: Rat

P-AMINOPHENOL 100 mg/kg bw/d OECD 421

Result: NOAEL Species: Rat

250 mg/kg bw/d OECD 414 RESORCINOL

> Result: NOAEL Species: Rat

2-AMINO-4-HYDROXYETHYLAMINOANISOLE

SULFATE

30 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

1-NAPHTHOL 400 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

2-AMINO-6-CHLORO-4-NITROPHENOL 90 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

Reproductivity

TOLUENE-2,5-DIAMINE SULFATE >= 45 mg/kg bw/d OECD 416

Result: NOAEL Species: Rat

100 mg/kg bw/d OECD 421 P-AMINOPHENOL

Result: NOAEL Species: Rat

1000 mg/kg bw/d OECD 412 **OLEYL PHOSPHATE**

Result: NOEAL

Species: Rat

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

NE SULFATE

Result: NOAEL

Species: Rat Test Duration: 90 d

245 mg/kg bw/d OECD 416 RESORCINOL

> Result: NOAEL Species: Rat

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE

SULFATE

300 mg/kg bw/d OECD 415

Species: Rat

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

Result: NOAEL Species: Rat

1-NAPHTHOL Result: No Data

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

AMMONIUM HYDROXIDE Result: Highly Irritating 1-NAPHTHOL Result: Irritating

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

P-AMINOPHENOL 10 mg/kg bw/d OECD 408

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

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Specific target organ toxicity -

repeated exposure

TOLUENE-2,5-DIAMINE SULFATE 10 mg/kg bw/d OECD 408, oral

Result: NOAEL Species: Rat Test Duration: 90 d

OLEYL PHOSPHATE 1000 mg/kg bw/d OECD 407

Result: NOAEL Species: Rat Test Duration: 27 d

1-NAPHTHOL 130 mg/kg bw/d OECD 408

Result: NOAEL Species: Rat Test Duration: 90 d

2-AMINO-4-HYDROXYETHYLAMINOANISOLE SULFATE 15 mg/kg bw/d OECD 408

Result: NOAEL Species: Rat Test Duration: 108 d

ETHANOLAMINE 150 mg/m3 air OECD 412, Inhalation

Result: NOAEC Species: Rat Test Duration: 28 d

M-AMINOPHENOL 20 mg/kg bw/d OECD 408

Result: NOAEL Species: Rat Test Duration: 90 d 20 mg/kg bw/d OECD 408

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

SULFATE

Result: NOAEL

Species: Rat Test Duration: 90 d

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE 250 mg/kg bw/d OECD 408, Oral

Result: NOAEL Species: Rat Test Duration: 90 d

2-AMINO-6-CHLORO-4-NITROPHENOL 30 mg/kg bw/d OECD 408

Result: NOAEL Species: Rat

Test Duration: 13 weeks

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

Result: NOAEL Species: Rat

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

Result: NOAEL Species: Rat Test Duration: 90 d 991 mg/m³ Result: NOAEC Species: Rat Test Duration: 14 d

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

Chronic effects May be harmful if absorbed through skin.

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. The reference to any animal testing for

individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

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.

Species Components **Test Results** 1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE (CAS 155601-30-2) Aquatic Acute Algae Pseudokirchneriella subcapitata 5.33 mg/l, 72 h EU C.3 Crustacea EC50 Daphnia magna 11.12 mg/l, 48 h TG 202 Fish LC50 Danio rerio 86.2 mg/l, 96 h EU C.1 1-NAPHTHOL (CAS 90-15-3) **Aquatic** Acute Algae EC50 Pseudokirchneriella subcapitata > 2.18 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 2.51 mg/l, 48 h Fish LC50 Pimephales promelas 4.24 mg/l, 96 h Chronic NOEC Crustacea 0.25 mg/l, 21 d OECD 211 Daphnia magna 2-AMINO-4-HYDROXYETHYLAMINOANISOLE SULFATE (CAS 83763-48-8) Aquatic Acute Algae EC50 Pseudokirchneriella subcapitata 0.733 mg/l, 72 h OECD 201 NOEC Pseudokirchneriella subcapitata 0.341 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 3 mg/l, 48 h OECD 202 2-AMINO-6-CHLORO-4-NITROPHENOL (CAS 6358-09-4) Aquatic Acute Algae EC50 Pseudokirchneriella subcapitata 82.4 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 5.17 mg/l, 48 h OECD 202 > 100 mg/l, 96 h OECD 203 Fish LC50 Danio rerio Other EC50 Activated sludge of a predominantly 281.5 mg/l, 3 h OECD 209 domestic sewage 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 LC50 Fish Oncorhynchus mykiss 0.89 mg/l, 96 h Chronic Crustacea NOEC Daphnia magna 0.79 mg/l, 21 d **NOEC** Fish Oncorhynchus mykiss 1.2 mg/l, 61 d OECD 210 ETHANOLAMINE (CAS 141-43-5) Aquatic Acute

EC50

EC50

LC50

EC₁₀

NOEC

NOEC

Algae

Fish

Other

Chronic Crustacea

Fish

Crustacea

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Pseudokirchneriella subcapitata

Activated sludge of a predominantly

Daphnia magna

Cyprinus carpio

domestic sewage

Daphnia magna

Oryzias latipes

2.8 mg/l, 72 h OECD 201

65 mg/l, 48 h EU C.2

349 mg/l, 96 h EU C.1

> 1000 mg/l, 30 min OECD 209

0.85 mg/l, 21 d OECD 211

1.24 mg/l, 41 d OECD 210

Components **Species Test Results** LAURETH-3 (CAS 68439-50-9) **Aquatic** Acute EC50 Desmodesmus subspicatus Algae 1 - 10 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 1 - 10 mg/l, 48 h OECD 202 Fish LC50 Danio rerio 1 - 10 mg/l, 96 h ISO 7346-2 Other EC0 Pseudomonas putida > 100 mg/l, 3 h OECD 209 Chronic Crustacea NOEC Daphnia magna <= 1 mg/l, 21 dM-AMINOPHENOL (CAS 591-27-5) Acute Other IC50 Tetrahymena pyriformis 361 mg/l, 40 h Aquatic Acute Algae EC50 Pseudokirchneriella subcapitata 62 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 1.1 mg/l, 48 h DIN 38412, Pt. 11 Fish LC50 Danio rerio 82.64 mg/l, 96 h OECD 203 Chronic NOEC Crustacea Daphnia magna 0.05 mg/l, 21 d OECD 211 Fish **NOEC** Oryzias latipes 25 mg/l, 25 d OECD 204 N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE (CAS 54381-16-7) Aquatic Acute 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 EC50 Other Activated sludge of a predominantly 228 mg/l, 3 h OECD 209 domestic sewage Chronic Crustacea **NOEC** Daphnia magna 0.674 mg/l, 21 d OECD 211 OLEYL PHOSPHATE (CAS 37310-83-1) **Aquatic** Acute Algae EC50 Pseudokirchneriella subcapitata > 100 mg/l, 72 h OECD 201 **NOEC** Pseudokirchneriella subcapitata 100 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna > 100 mg/l, 48 h OECD 202 Fish LC50 Danio rerio > 100 mg/l, 96 h OECD 203 Other EC50 318.56 mg/l, 3 h OECD 209 Activated sludge of a predominantly domestic sewage P-AMINOPHENOL (CAS 123-30-8) **Aquatic** Acute Algae EC50 Pseudokirchneriella subcapitata > 0.253 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 0.182 mg/l, 48 h OECD 202 Fish LC50 Oryzias latipes 0.82 mg/l, 96 h OECD 203 Other EC50 Activated sludge of a predominantly 29.9 mg/l, 3 h OECD 209 domestic sewage

Components Species Test Results

RESORCINOL (CAS 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-660/3/75-009

Other Activated sludge of a predominantly 79 mg/l, 3 h OECD 209

domestic sewage

Chronic

Crustacea NOEC Daphnia magna >= 0.172 mg/l, 21 d
Fish LOEC Oncorhynchus mykiss 320 mg/l, 60 d

TOLUENE-2,5-DIAMINE SULFATE (CAS 615-50-9)

Aquatic

Acute

Algae EC50 Desmodesmus subspicatus 0.653 mg/l, 72 h OECD 201 Crustacea EC50 Daphnia magna 0.82 mg/l, 48 h OECD 202 NOEC Daphnia magna 0.63 mg/l, 21 d OECD 211 Fish LC50 Danio rerio 1.08 mg/l, 96 h OECD 203 Other EC50 Activated sludge of a predominantly 17.7 mg/l, 3 h OECD 209

domestic sewage

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE 33.3 % EU C.4-E

SULFATE Result: Not readily biodegradable

1-NAPHTHOL > 77.8 % OECD 301 B

Result: Readily Biodegradable

Test Duration: 28 d

2-AMINO-4-HYDROXYETHYLAMINOANISOLE

SULFATE

ETHANOLAMINE

Result: Not Readily Biodegradable

Test Duration: 29 d

0 % OECD 301 B

2-AMINO-6-CHLORO-4-NITROPHENOL 0 % OECD 301 F

Result: Not Readily Biodegradable

Test Duration: 28 d > 90 % OECD 301 A

Result: Readily Biodegradable

Test Duration: 21 d

LAURETH-3 Result: Readily Biodegradable

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

SULFATE

14.3 % OECD 301B

Result: Not Readilby Biodegradable

OLEYL PHOSPHATE Test Duration: 28 d
26.1 % OECD 301 D

Result: Readily Biodegradable

Test Duration: 28 d 66.7 % OECD 301 C

RESORCINOL 66.7 % OECD 301 C
Result: Readily Biodegradable

Test Duration: 14 d

TOLUENE-2,5-DIAMINE SULFATE 17 % OECD 301 D

Result: Not Readily Biodegradable

Test Duration: 28 d

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

 1-NAPHTHOL
 2.836 OECD 107

 ETHANOLAMINE
 -2.3 OECD 107

M-AMINOPHENOL 0.21 N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE -2.8

SULFATE

Partition coefficient n-octanol / water (log Kow)

N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE -2.8 OECD 107

SULFATE

P-AMINOPHENOL 0.25 RESORCINOL 0.8

Bioconcentration factor (BCF)

P-AMINOPHENOL 10 - 46 OECD 305 C

Bioaccumulation

1-NAPHTHOL Result: Bioaccumulation is unlikely ETHANOLAMINE Result: Bioaccumulation is unlikely. P-AMINOPHENOL 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

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

IATA

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

IMDG

FINISHED GOODS

Not regulated as dangerous goods.

BULK

Not regulated as dangerous goods.

General information IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

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. RESORCINOL (CAS 108-46-3) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

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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 name	CAS number	% by wt.
AMMONIUM HYDROXIDE	1336-21-6	1.8

Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

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

RESORCINOL (CAS 108-46-3) Low priority

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

Issue date 10-02-2020 **Revision date** 11-26-2020

Version # 02

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.

Revision information This document has undergone significant changes and should be reviewed in its entirety.

Material name: PULP RIOT PERMANENT COLOR - GROUP 6

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