

SAFETY DATA SHEET



Issuing Date No data available

Revision Date 26-Jul-2022

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name AMERICAN CREW PRECISION BLEND (developer)
Bulk Number 4590150002
Brand Revlon Professional
Other means of identification

Physical state Liquid

UPC Code(s) xxxx
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use No information available

Restrictions on use This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. Please read the labeling on the consumer package for proper use of this material. For external use only. Use only as directed.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Revlon

Supplier Address 2121 Route 27, Edison, NJ 08818

Supplier Phone Number (732) 287-1400

Supplier Information Revlon Research Center 2121 Route 27 Edison, NJ 08818 Telephone #: (732) 287-1400

Emergency telephone number

Emergency Telephone Number Medical Emergencies: 303-739-1110 INFOTRAC: 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION


Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Danger	
Hazard statements Causes skin irritation Causes serious eye damage		
		
Appearance No information available	Physical state Liquid	Odor No information available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

Eyes

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 or doctor

Skin

IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Other information

May cause long lasting harmful effects to aquatic life.

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight-%	Trade Secret
Hydrogen Peroxide	7722-84-1	<5	-
Cetyl alcohol	36653-82-4	<1	-

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth immediately and drink plenty of water.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Take precautionary measures against static discharges. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Remove all sources of ignition. See section 8 for more information. Do not breathe vapor or mist. Avoid breathing vapors or mists. Avoid breathing dust/fume/gas/mist/vapors/spray.

Environmental precautions

Environmental precautions Local authorities should be advised if significant spillages cannot be contained. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Prevent product from entering drains. Take precautionary measures against static discharges. Keep in suitable, closed containers for disposal. Take up with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapor or mist. Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with eyes. Refer to Section 8.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

Appropriate engineering controls

Engineering Measures Ventilation systems Ensure that eyewash stations and safety showers are close to the workstation location

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection None under normal use conditions. None required for consumer use.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Ensure adequate ventilation.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Liquid	Odor	Characteristic
Appearance	Fluid Emulsion	Odor Threshold	No information available
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	3,0 – 3,5	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	> 100 C / 212 F	CC (closed cup)	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	1.00 – 1.03		
Water Solubility	Soluble in water		
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Viscosity	1,000-1,900 cP		

Other Information

VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No information available.

Conditions to avoid

None known based on information supplied.

Hazardous Decomposition Products

Methane, oxides of nitrogen. Carboxylic acids, various hydrocarbons, oxides of carbon, aldehydes, hydrogen cyanide, acids

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Specific test data for the substance or mixture is not available.
Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Hydrogen Peroxide 7722-84-1	= 1518 mg/kg (Rat)	= 9200 mg/kg (Rabbit)	= 2000 mg/m ³ (Rat) 4 h
Cetyl alcohol 36653-82-4	> 5 g/kg (Rat)	> 2600 mg/kg (Rabbit)	

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen Peroxide 7722-84-1	A3	Group 3		

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Respiratory system. Eyes. Skin.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

33,621.30 mg/kg

ATEmix (inhalation-dust/mist)

44.30 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long lasting harmful effects to aquatic life.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Hydrogen Peroxide 7722-84-1	72h EC50: = 2.5 mg/L (Chlorella vulgaris)	96h LC50: 18 - 56 mg/L (Lepomis macrochirus) 96h LC50: = 16.4 mg/L (Pimephales promelas) 96h LC50: 10.0 - 32.0 mg/L (Oncorhynchus mykiss)		48h EC50: 18 - 32 mg/L 24h EC50: = 7.7 mg/L
Cetyl alcohol 36653-82-4		96h LC50: > 0.4 mg/L (Oncorhynchus mykiss)		

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Chemical Name	Log Pow
Cetyl alcohol 36653-82-4	6.65

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Do not reuse empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Hydrogen Peroxide 7722-84-1	Toxic Corrosive Ignitable Reactive

14. TRANSPORT INFORMATION

DOT NOT REGULATED

IATA NOT REGULATED

IMDG NOT REGULATED

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrogen Peroxide 7722-84-1		1000 lb	

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
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Aqua 7732-18-5			X		
Hydrogen Peroxide 7722-84-1	X	X	X	X	

International Regulations

Component	Carcinogen Status	Exposure Limits
Hydrogen Peroxide 7722-84-1 (<5)	A3	Mexico: TWA 1 ppm

Canada
WHMIS Hazard Class
 Not determined

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 1	Instability 0	Physical and Chemical Hazards - Personal Protection X
HMIS	Health hazards 3	Flammability 1	Physical Hazard 0	

Prepared By	Revlon Research Center, Edison, NJ
Revision Date	26-Jul-2022
Revision Note	No information available

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

Cosmetic products are exempted from Safety Data Sheets by article 2.6 (b) of regulation (EC)n 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of chemicals (REACH) in Europe. Cosmetic products are partially exempt from Canada’s Workplace Hazardous Materials Information System (WHMIS) by section C of the regulation. Cosmetic product for consumer use are exempted from labeling requirements under the United States Occupational Safety and Health Administration’s Hazard Communication Standard 29 CFR 1910.1200 under section 29 CFR 1910.1200(b)(5)(iii). Cosmetics are covered by the Food and Drug Administration’s Food, Drug and Cosmetic Act and Consumer Product Safety Act.

End of Safety Data Sheet

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Revision Date 28-Aug-2025

Revision Number 1

1. Identification

Product identifier

Product Name AC HAIR COLOR US

Other means of identification

Product Code(s) 4510445

Bulk Number 4510445

Brand Revlon Professional

Category Hair

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use No information available

Restrictions on use No information available

Details of the supplier of the safety data sheet

Initial supplier identifier

Revlon Research Center

Supplier Address

2121 Route 27 Edison, NJ 08818

Emergency telephone number

Emergency Telephone Number INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. Hazard(s) identification

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1

Label elements



Danger

Hazard statements

Causes severe skin burns and eye damage
May cause an allergic skin reaction

Precautionary Statements - Prevention

Do not breathe dusts or mists

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves, protective clothing, eye protection and face protection

Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

Specific treatment (see .? on this label)

Eyes

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 or doctor

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and then shower

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice and attention

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant

Other information

May be harmful if swallowed. May cause long lasting harmful effects to aquatic life.

3. Composition/information on ingredients

Substance

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ethanolamine 141-43-5 (<10)	141-43-5	<10	-	-
P-phenylenediamine 106-50-3 (<5)	106-50-3	<5	-	-
Resorcinol 108-46-3 (<5)	108-46-3	<5	-	-
Cocamidopropyl betaine 61789-40-0 (<1)	61789-40-0	<1	-	-
Tetrasodium EDTA 64-02-8 (<1)	64-02-8	<1	-	-
p-Aminophenol 123-30-8 (<1)	123-30-8	<1	-	-

4. First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical attention. May cause an allergic skin reaction.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	Burning sensation. Itching. Rashes. Hives.
Effects of Exposure	No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitization in susceptible persons. Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

8. Exposure controls/personal protection**Control parameters****Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
ETHANOLAMINE	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³
P-PHENYLENEDIAMINE	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ (vacated) TWA: 0.1 mg/m ³ (vacated) S* S*	IDLH: 25 mg/m ³ TWA: 0.1 mg/m ³
RESORCINOL	STEL: 20 ppm TWA: 10 ppm	(vacated) TWA: 10 ppm (vacated) TWA: 45 mg/m ³ (vacated) STEL: 20 ppm (vacated) STEL: 90 mg/m ³	TWA: 10 ppm TWA: 45 mg/m ³ STEL: 20 ppm STEL: 90 mg/m ³

Chemical name	Alberta	British Columbia	Ontario	Quebec
ETHANOLAMINE	TWA: 3 ppm TWA: 7.5 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm TWA: 7.5 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³

P-PHENYLENEDIAMINE	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ Dermal Sensitizer	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ Skin
RESORCINOL	TWA: 10 ppm TWA: 45 mg/m ³ STEL: 20 ppm STEL: 90 mg/m ³	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm TWA: 45 mg/m ³ STEL: 20 ppm STEL: 90 mg/m ³

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Ethanolamine 141-43-5 (<10)	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm
P-phenylenediamine 106-50-3 (<5)	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Resorcinol 108-46-3 (<5)	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Ethanolamine 141-43-5 (<10)	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm TWA: 6 mg/m ³ STEL: 6 ppm STEL: 12 mg/m ³
P-phenylenediamine 106-50-3 (<5)	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.1 mg/m ³ Skin
Resorcinol 108-46-3 (<5)	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm TWA: 45 mg/m ³ STEL: 20 ppm STEL: 90 mg/m ³

Biological occupational exposure limits

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is

recommended. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Cream gel
Color	No information available
Odor	Characteristic
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	> 100 °C / 212 °F	CC (closed cup)
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	No information available
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.980-1.030	
Water solubility	Soluble in water	
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	30000 – 70000 cps (Brookfield, LVT, TF, 12 rpm, 60", 25°C, 25 ml)	None known

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC content	No information available
Liquid Density	No information available
Bulk Density	No information available

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Acids. Bases. Oxidizing agent.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure**Product Information**

Inhalation	Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Corrosive to the eyes and may cause severe damage including blindness. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. Corrosive. Causes burns.
Ingestion	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Coughing and/ or wheezing. Itching. Rashes. Hives.

Acute toxicity**Numerical measures of toxicity****Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ETHANOLAMINE	= 1720 mg/kg (Rat)	= 1000 mg/kg (Rabbit)	> 1.3 mg/L (Rat) 6 h
P-PHENYLENEDIAMINE	= 80 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	= 920 mg/m ³ (Rat) 4 h
RESORCINOL	= 202 mg/kg (Rat)	= 3360 mg/kg (Rabbit)	> 7.8 mg/L (rat) 8 h
COCAMIDOPROPYL BETAINE	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
TETRASODIUM EDTA	= 1658 mg/kg (Rat)	-	
P-AMINOPHENOL	= 375 mg/kg (Rat)	> 8000 mg/kg (Rabbit)	> 5.91 mg/m ³ (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye damage. Causes burns.

Respiratory or skin sensitization May cause an allergic skin reaction. Classification based on data available for ingredients.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
P-PHENYLENEDIAMINE	-	Group 3	-	-
RESORCINOL	-	Group 3	-	-

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Liver, Kidney, spleen, Respiratory system, Eyes, Skin, Central nervous system, Blood, Central Vascular System (CVS).

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
ETHANOLAMINE	EC50: =15mg/L (72h, <i>Desmodesmus subspicatus</i>)	LC50: =227mg/L (96h, <i>Pimephales promelas</i>) LC50: =3684mg/L (96h, <i>Brachydanio rerio</i>) LC50: 300 - 1000mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 114 - 196mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: >200mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	EC50: =65mg/L (48h, <i>Daphnia magna</i>)
P-PHENYLENEDIAMINE	EC50: =0.28mg/L (96h, <i>Pseudokirchneriella subcapitata</i>)	LC50: =0.06mg/L (96h, <i>Pimephales promelas</i>)	-	EC50: =0.28mg/L (48h, <i>Daphnia magna</i>)
RESORCINOL	-	LC50: >100mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =53.4mg/L (96h, <i>Pimephales promelas</i>) LC50: 36 - 100mg/L (96h, <i>Pimephales promelas</i>) LC50: =100mg/L (96h,	-	LC50: =78mg/L (48h, <i>Daphnia magna</i>)

		Pimephales promelas)		
COCAMIDOPROPYL BETAINE	EC50: 1.0 - 10.0mg/L (72h, Desmodemus subspicatus)	LC50: 1.0 - 10.0mg/L (96h, Brachydanio rerio) LC50: =2mg/L (96h, Brachydanio rerio)	-	EC50: =6.5mg/L (48h, Daphnia magna)
TETRASODIUM EDTA	-	LC50: =41 mg/L (96h, Lepomis macrochirus) LC50: =59.8mg/L (96h, Pimephales promelas)	-	-
P-AMINOPHENOL	-	LC50: =24mg/L (96h, Pimephales promelas)	-	-

Persistence and Degradability No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
ETHANOLAMINE	-2.3
P-PHENYLENEDIAMINE	-0.67
RESORCINOL	0.8
P-AMINOPHENOL	-0.09

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA Complies.

Chemical name	CAS No.	U.S. Toxic Substances Control Act (TSCA) status	US TSCA inactive/active designation
Ethanolamine 141-43-5 (<10)	141-43-5	Compliant	Active
P-phenylenediamine 106-50-3 (<5)	106-50-3	Compliant	Active
Resorcinol 108-46-3 (<5)	108-46-3	Compliant	Active
Cocamidopropyl betaine 61789-40-0 (<1)	61789-40-0	Compliant	Active
Tetrasodium EDTA 64-02-8 (<1)	64-02-8	Compliant	Active
p-Aminophenol 123-30-8 (<1)	123-30-8	Compliant	Active

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL All components are listed either on the DSL or NDSL.
EINECS/ELINCS Contact supplier for inventory compliance status.
ENCS Contact supplier for inventory compliance status.
IECSC Contact supplier for inventory compliance status.
KECL Contact supplier for inventory compliance status.
PICCS Contact supplier for inventory compliance status.
AICS Contact supplier for inventory compliance status.
NZIoC Contact supplier for inventory compliance status.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
P-PHENYLENEDIAMINE	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
RESORCINOL	5000 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
P-PHENYLENEDIAMINE	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
RESORCINOL	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations**California Proposition 65**

This product does not require a Prop 65 chemical warning.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
AQUA ((WATER) EAU)	-	-	X
ETHANOLAMINE	X	X	X
OLEIC ACID	-	-	X
P-PHENYLENEDIAMINE	X	X	X
RESORCINOL	X	X	X
ISOPROPYL ALCOHOL	X	X	X
PHENOXYETHANOL, METHYLPARABEN, ETHYLPARABEN, BUTYLPARABEN, PROPYLPARABEN, ISOBUTYLPARABEN	X	-	X
Sodium Sulfate	-	X	X
BENZOIC ACID	X	X	X

U.S. EPA Label information**16. Other information**

NFPA	Health hazards 3	Flammability 1	Instability 0	Special hazards -
HMIS	Health hazards 3	Flammability 1	Physical hazards 0	Personal Protection X
Chronic Hazard Star Legend	* = Chronic Health Hazard			

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Revision Date 28-Aug-2025

Revision Note No information available.

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.

North America SDS version information - NGHS

UL release:
 GHS Revision 3
 2023 Q1

North America

Full process, including GHS and Transportation Wizards

Chemical name	RCRA - U Series Wastes	RCRA - P Series Wastes
RESORCINOL	U201	-