

Issuing Date No data available

Revision Date 17-Jan-2020

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name CND PLEXIGEL BONDER
Bulk Number 4708767000
Brand CND
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

Chemical Emergency Phone Number 703-527-3887
Chemtrec 1-800-424-9300
Company Emergency Phone Number Medical Emergencies: 303-739-1110

Emergency Telephone Number Medical Emergencies: 303-739-1110 CHEMTREC: 1-800-424-9300 or 703-527-3887 (spill related emergencies)

2. HAZARDS IDENTIFICATION

Classification

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

Acute toxicity - Inhalation (Vapors)	Category 3
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Danger		
Hazard statements Toxic if inhaled Causes serious eye irritation May cause an allergic skin reaction Highly flammable liquid and vapor			
			
Appearance	No information available	Physical state	Liquid
		Odor	No information available

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see supplemental first aid instructions on this label)
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
If eye irritation persists: Get medical advice/attention

Skin

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

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor

Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Harmful to aquatic life with long lasting effects
Harmful to aquatic life

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight-%	Trade Secret
Ethyl acetate	141-78-6	<15	-
Tetrahydrofurfuryl Methacrylate	2455-24-5	<10	-
Butyl acetate	123-86-4	<10	-
Acetone	67-64-1	<10	-
Di-HEMA Trimethylhexyl Dicarbamate	72869-86-4	<5	-
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	<5	-
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7	<5	-
Alcohol	64-17-5	<5	-
BHT	128-37-0	<1	-
Bis-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	<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.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	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.

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.
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Sensitivity to Static Discharge	None.
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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

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

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

Strong oxidizing agents.

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
Ethyl acetate 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³
Butyl acetate	STEL: 150 ppm	TWA: 150 ppm	IDLH: 1700 ppm

123-86-4	TWA: 50 ppm	TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³
Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
BHT 128-37-0	TWA: 2 mg/m ³ inhalable fraction and vapor	(vacated) TWA: 10 mg/m ³	TWA: 10 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	Solvent Small
Appearance	Clear/Transparent	Odor Threshold	No information available
Color	Blue Tint		
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	No data available	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	> 36 °C / 97 °F	None known	
Flash Point	13 C / 55 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	1.04		
Water Solubility	Insoluble in water		
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Viscosity	Approximately 120 cPs		

Other Information

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

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

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
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 20 mL/kg (Rabbit) > 18000 mg/kg (Rabbit)	= 4000 ppm (Rat) 4 h
Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m ³ (Rat) 8 h
Ethyl Trimethylbenzoyl Phenylphosphinate 84434-11-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	
Alcohol 64-17-5	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
BHT 128-37-0	> 2930 mg/kg (Rat)	> 2000 mg/kg (Rat)	
Bis-Trimethylbenzoyl Phenylphosphine Oxide 162881-26-7	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	

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
Alcohol 64-17-5	A3	Group 1	Known	X
BHT 128-37-0		Group 3		

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects liver. Respiratory system. Eyes. Skin. Central nervous system (CNS). blood. Reproductive System.

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)

7,034.00 mg/kg

ATEmix (dermal)

14,181.00 mg/kg

ATEmix (inhalation-dust/mist)

421.00 mg/l

ATEmix (inhalation-vapor)

6.06 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethyl acetate 141-78-6	48h EC50: = 3300 mg/L (Desmodesmus subspicatus)	96h LC50: 220 - 250 mg/L (Pimephales promelas) 96h LC50: = 484 mg/L (Oncorhynchus mykiss) 96h LC50: 352 - 500 mg/L (Oncorhynchus mykiss)		48h EC50: = 560 mg/L
Tetrahydrofurfuryl Methacrylate 2455-24-5		96h LC50: 31.1 - 38.8 mg/L (Pimephales promelas)		
Butyl acetate 123-86-4	72h EC50: = 674.7 mg/L (Desmodesmus subspicatus)	96h LC50: = 62 mg/L (Leuciscus idus) 96h LC50: = 100 mg/L (Lepomis macrochirus) 96h LC50: 17 - 19 mg/L (Pimephales promelas)		24h EC50: = 72.8 mg/L
Acetone 67-64-1		96h LC50: = 8300 mg/L (Lepomis macrochirus) 96h LC50: 6210 - 8120 mg/L (Pimephales promelas) 96h LC50: 4.74 - 6.33 mL/L (Oncorhynchus mykiss)		48h EC50: 12600 - 12700 mg/L 48h EC50: 10294 - 17704 mg/L
Ethyl Trimethylbenzoyl Phenylphosphinate 84434-11-7		96h LC50: = 1.89 mg/L (Danio rerio)		
Alcohol 64-17-5		96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas)		48h LC50: 9268 - 14221 mg/L 48h EC50: = 2 mg/L 24h EC50: = 10800 mg/L
BHT 128-37-0	72h EC50: > 0.42 mg/L (Desmodesmus subspicatus) 72h EC50: = 6 mg/L (Pseudokirchneriella subcapitata)	48h LC50: = 5 mg/L (Oryzias latipes)		
Bis-Trimethylbenzoyl Phenylphosphine Oxide 162881-26-7		96h LC50: > 90 µg/L (Danio rerio)		

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Chemical name	Log Pow
Ethyl acetate 141-78-6	0.6
Butyl acetate 123-86-4	1.81
Acetone 67-64-1	-0.24
Alcohol 64-17-5	-0.32
BHT 128-37-0	4.17

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging Do not reuse empty containers.

US EPA Waste Number D001 U002 U112

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

Chemical name	California Hazardous Waste
Ethyl acetate 141-78-6	Toxic Ignitable
Butyl acetate 123-86-4	Toxic
Acetone 67-64-1	Ignitable
Alcohol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

Description Consumer Commodity ORM-D

IATA

Description Consumer Commodity, ID8000

IMDG

Description UN1263, Paint, Class 3, PG II, Limited Quantity

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Bulk Description UN1263, Paint, Class 3, PG II

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	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

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
Butyl acetate 123-86-4	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	RQ
Ethyl acetate 141-78-6	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Butyl acetate 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Alcohol - 64-17-5	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl acetate 141-78-6	X	X	X	X	

International Regulations

Component	Carcinogen Status	Exposure Limits
Ethyl acetate 141-78-6 (<15)		Mexico: TWA 400 ppm
Butyl acetate 123-86-4 (<10)		Mexico: TWA 150 ppm Mexico: TWA 710 mg/m³ Mexico: STEL 200 ppm
Acetone 67-64-1 (<10)		Mexico: TWA 500 ppm Mexico: STEL 750 ppm
Alcohol 64-17-5 (<5)	A3	Mexico: STEL 1000 ppm
BHT 128-37-0 (<1)		Mexico: TWA 2 mg/m³

Canada
WHMIS Hazard Class
Not determined

16. OTHER INFORMATION

NFPA	Health hazards 2	Flammability 4	Instability 0	Physical and Chemical Hazards -
HMIS	Health hazards 2 *	Flammability 4	Physical Hazard 0	Personal Protection X

Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By	Revlon Research Center, Edison, NJ
Revision Date	17-Jan-2020
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