

Prop 65 Summary
National Cotton Council
October 2018

The U.S. cotton industry has recently been contacted regarding supply chain questions about California's Proposition 65 related to cotton and cotton textile products. Based on existing research, we are not aware of any contaminant materials in raw cotton or cotton yarn that should be considered for a Prop 65 label or other notification.

What is Proposition 65?

Proposition 65 is a California law that prohibits businesses from knowingly and intentionally exposing any individual to a chemical known to the State of California to cause cancer, birth defects or other reproductive harm (i.e., a "listed chemical") without first giving clear and reasonable warning to such individual. Under the new rules, the full warning must identify specific chemical(s) and exposure pathway(s). The law applies to all products sold in the State of California, not just products produced in the state. Failure to provide a warning when needed allows private enforcers or state authorities to file legal action.

According to Proposition 65, if a product, in this case textiles containing cotton, has a level of exposure for a listed chemical at or below exposure levels set by the state of California, or by a legal settlement, no warning is required. For additional information about the "safe harbor" limits that provide exemption to the need for clear and reasonable warnings, see <https://oehha.ca.gov/proposition-65/general-info/current-proposition-65-no-significant-risk-levels-nrsls-maximum>.

Past Research and Background Materials

The Bremen Cotton Exchange has conducted numerous tests for possible chemical residues on raw cotton fiber. After samples are collected in various regions by sworn experts or independent collectors, the fiber is tested according to the Oeko-tex® 100 Standard, which includes limits for pesticides and defoliantes that may be used during cultivation. Testing has been repeated every few years, and full results for the specimens that were analyzed can be found at <https://baumwollboerse.de/en/informationen/untersuchungen/>.

Cotton Incorporated developed the following Safety Data Sheets for raw cotton fiber and bleached cotton fiber.



Cotton Fiber

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 5/6/2015

Supersedes: 3/6/2008

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Cotton Fiber
Product form : Mixture
Other means of identification : Cotton fiber (staple or lint)

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Cotton Incorporated
6399 Weston Parkway, NC 27513
Phone: (919) 678-2220

1.4. Emergency telephone number

Emergency number : (919) 749-7722

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Comb. Dust H232

2.2. Label elements

GHS-US labelling

Signal word (GHS-US) : **Warning**
Hazard statements (GHS-US) : H232 - May form combustible dust concentrations in air

2.3. Other hazards

Other hazards not contributing to the classification : Cotton dust can present an occupational health hazard. See 29 CFR 1910.1043.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Cotton dust		<1

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If irritation develops or otherwise concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from Poison Control Center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause skin irritation.
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

Cotton Fiber

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No data available.
Explosion hazard : No data available.
Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Do not dispose of fire-fighting water in the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No specific emergency measures are required other than good laboratory hygiene and safety practices.

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid intentional release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid. Avoid dust formation.
Methods for cleaning up : Collect released content. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Stable (Shelf Life > 2 Years).
Storage conditions : Store in dry, well-ventilated area. Keep container closed when not in use.
Maximum storage period : To avoid microbiological damage to fiber, avoid prolonged storage in damp or wet condition

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Cotton Fiber	
Remark	Cotton dust PEL for waste processing in 29 CFR 1910.1000 Table Z-1
OSHA PEL (TWA) (mg/m ³)	200 ug/m ³ (yarn manufacturing), 750 ug/m ³ (weaving)
Cellulose (9004-34-6)	
ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable fraction); 15 mg/m ³ TWA (total dust)

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Cotton Fiber

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Personal protective equipment	: Safety glasses. Gloves as desired.
Hand protection	: Protective gloves may be worn as desired but are not required for this fiber.
Eye protection	: Use eye protection suitable to the environment. Avoid direct contact with eyes.
Skin and body protection	: Wear long sleeves and full coverage clothing to minimize bodily exposure.
Respiratory protection	: Use NIOSH-approved dust/particulate respirator as desired for nuisance. Where dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Fibers.
Color	: Yellowish to off-white.
Odor	: None.
Odor Threshold	: No data available
pH	: 6 - 9 (20/1 dilution liquor/fiber)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: 287.8 °C (550°F) Thermogravimetric analyzer
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Bale: 0.3-0.4 / Polymer: 1.54 / Fiber: 1.27
Solubility	: Water: Zero
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 4 - 9 % by weight. Water.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources. Heat.

10.5. Incompatible materials

Acids. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

Cotton Fiber	
Persistence and degradability	Material is expected to biodegrade.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

UN-No.(DOT) : Not restricted: Article

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Cotton Fiber	
Cotton exempted by:	
29 CFR 1910.1043 (a) (2)	

15.2. International regulations

CANADA

No additional information available.

15.3. US State regulations

California Proposition 65

Cotton Fiber

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This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

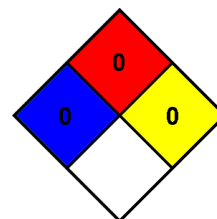
Cellulose (9004-34-6)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.
Revision date : 5/6/2015
Other information : Author: EKW.

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard : 0 - Materials that will not burn.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 0
Flammability : 0
Physical : 0
Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Bleached Cotton Fiber
Product form : Mixture (Article)
Other means of identification : Bleached cotton fibers: staple or lint, linters, and gin by-product fibers

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Cotton Incorporated
6399 Weston Parkway, NC 27513
Phone: (919) 678-2220

1.4. Emergency telephone number

Emergency number : (919) 749-7722

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Comb. Dust H232

2.2. Label elements

GHS-US labelling

Signal word (GHS-US) : **Warning**
Hazard statements (GHS-US) : H232 - May form combustible dust concentrations in air

2.3. Other hazards

Other hazards not contributing to the classification : None.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause skin irritation.
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

Bleached Cotton Fiber

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No data available.
Explosion hazard : No data available.
Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No specific emergency measures are required other than good laboratory hygiene and safety practices.

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid intentional release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid. Avoid dust formation.
Methods for cleaning up : Collect released content. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. Handle in accordance with good industrial hygiene and safety procedures

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Stable (Shelf Life > 2 Years).
Storage conditions : Store in dry, well-ventilated area. Keep container closed when not in use.
Incompatible materials : See section 10.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bleached Cotton Fiber

Bleached or purified cotton exempted by 29 CFR 1910.1043 (a) (2), 29 CFR 1910.1043 (n)

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment : Safety glasses. Gloves as desired.

Hand protection : Protective gloves may be worn as desired but are not required for this fiber.
Eye protection : Use eye protection suitable to the environment. Avoid direct contact with eyes.
Skin and body protection : Wear long sleeves and full coverage clothing to minimize bodily exposure.
Respiratory protection : Use NIOSH-approved dust/particulate respirator as desired for nuisance.

Bleached Cotton Fiber

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Fibers.
Color	: White.
Odor	: None.
Odor Threshold	: No data available
pH	: 6 - 9 (20/1 dilution liquor/fiber)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: 287.8 °C (550°F) Thermogravimetric analyzer
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Bale: 0.3-0.4 / Polymer: 1.54 / Fiber: 1.27
Solubility	: Water: Zero
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 4 - 9 % by weight. Water.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources. Heat.

10.5. Incompatible materials

Acids. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

Bleached Cotton Fiber

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause skin irritation.
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

Bleached Cotton Fiber

Persistence and degradability	Material is expected to biodegrade.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT
UN-No.(DOT) : Not restricted: Article

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Bleached Cotton Fiber

Bleached or purified cotton exempted by: 29 CFR 1910.1043 (a) (2) 29 CFR 1910.1000 Table Z-1

15.2. International regulations

CANADA

No additional information available.

15.3 US State Regulations

California Proposition 65

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Cellulose (9004-34-6)

U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

Bleached Cotton Fiber

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.
Revision date : 5/6/2015
Other information : Author: EKW.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product