

**Weyerhaeuser Writing and Printing Paper**

Weyerhaeuser Company
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Emergency Phone: (253) 924-5000
Additional Information: (253) 924-3865
CHEMTREC: (800) 424-9300
Revised Date: August 25, 2004

1. Product Identification

Product	Manufacturing Location(s)
Writing and Printing Paper	USA: Bennettsville, SC; Hawesville, KY; Johnsonburg, PA; Kingsport, TN; Plymouth, NC; Rothschild, WI Canada: Dryden, ON;

Synonyms: Business Papers, Office Depot Red Top, Blue Top, Superwhite

2. Hazardous Ingredients/Identity Information

Name	CAS#	Percent	Agency	Exposure Limits	Comments
Pulp (cellulose)	65996-61-4	77-89	OSHA OSHA ACGIH	PEL-TWA 15 mg/m ³ PEL-TWA 5 mg/m ³ TLV-TWA 10 mg/m ³	Total dust Respirable dust Total dust
Calcium carbonate	1317-65-3	9-21	OSHA OSHA ACGIH	PEL-TWA 15 mg/m ³ PEL-TWA 5 mg/m ³ TLV-TWA 10 mg/m ³	Total dust Respirable dust Total dust
Starch	9005-25-8	3-6	OSHA OSHA ACGIH	PEL-TWA 15 mg/m ³ PEL-TWA 5 mg/m ³ TLV-TWA 10 mg/m ³	Total dust Respirable dust Total dust
Titanium dioxide	13463-67-7	1-8	OSHA ACGIH	PEL-TWA 15 mg/m ³ PEL-TWA 5 mg/m ³ TLV-TWA 10 mg/m ³	Total dust Respirable dust Total dust

3. Hazard Identification

Appearance and Odor: The products are odorless writing and printing papers.

3. Hazard Identification (cont'd.)

Primary Health Hazards: The primary health hazard posed by these products is thought to be due to exposure to dust.

Primary Route(s) of Exposure:

- ☐ Ingestion:
- ☐ Skin:
- ☒ Inhalation: Dust
- ☒ Eye: Dust

Medical Conditions Generally Aggravated by Exposure: Cellulose dust may aggravate preexisting respiratory conditions or allergies.

Chronic Health Hazards: Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

Carcinogenicity Listing:

- ☐ NTP: Not listed
- ☐ IARC Monographs: Not listed
- ☐ OSHA Regulated: Not listed

4. Emergency and First-Aid Procedures

Ingestion: Not applicable for product in purchased form.

Eye Contact: Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.

Skin Contact: Not applicable for product in purchased form.

Skin Absorption: Not applicable for product in purchased form.

Inhalation: Excessive dust concentrations may cause unpleasant obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

Note to Physician: None

5. Fire and Explosion Data

Flash Point (Method Used): NAP

Flammable Limits: LFL = See below under "Unusual Fire and Explosion Hazards" UFL = NAP

Extinguishing Media: Water

Autoignition Temperature: 450°F (232°C)

Special Firefighting Procedures: None

Unusual Fire and Explosion Hazards: Depending on moisture content, particle diameter, and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m³ is often used as the LEL for cellulose pulp.

NFPA Rating (Scale 0-4): Health = 0 Fire = 1 Reactivity = 0

6. Accidental Release Measures

Steps to be Taken In Case Material Is Released or Spilled: Not applicable for product in purchased form. Sweep or vacuum dust for recovery or disposal. Use NIOSH/MSHA approved dust respirator and goggles where ventilation is not possible and exposure limits may be exceeded.

7. Handling and Storage

Precautions to be Taken In Handling and Storage: No special handling precautions are required for product in purchased form. Keep in cool, dry place away from open flame and other sources of ignition.

8. Exposure Control Measures, Personal Protection

Personal Protective Equipment:

RESPIRATORY PROTECTION – Not applicable for product in purchased form. A NIOSH/MSHA-approved dust respirator is recommended when allowable exposure limits may be exceeded.

PROTECTIVE GLOVES – Not applicable for product in purchased form.

EYE PROTECTION – Not applicable for product in purchased form. However, goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT – Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENE PRACTICES – Not applicable for product in purchased form.

Ventilation:

LOCAL EXHAUST – Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL) – Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL – None

OTHER – None

9. Physical/Chemical Properties

Physical Description: The products are odorless writing and printing papers.

Boiling Point (@ 760 mm Hg): NAP

Evaporation Rate (Butyl acetate = 1): NAP

Freezing Point: NAP

Melting Point: NAP

Molecular Formula: NAP

Molecular Weight: NAP

Oil-water distribution coefficient: NAP

Odor threshold: NAP

pH: NAP

Solubility in Water (% by weight): Insoluble

Specific Gravity (H₂O = 1): 0.8

Vapor Density (air = 1; 1 atm): NAP

Vapor Pressure (mm Hg): NAP

Viscosity: NAP

% Volatile by Volume [@ 70°F (21°C)]: NAP

10. Stability and Reactivity

Stability: ☐ Unstable ☒ Stable

Conditions to Avoid: Avoid open flame and sparks

Incompatibility (Materials to Avoid): NAP

Hazardous Decomposition or By-Products: Combustion products include carbon monoxide and carbon dioxide.

Hazardous Polymerization: ☐ May occur ☒ Will not occur

10. Stability and Reactivity (cont'd.)

Sensitivity to Mechanical Impact: NAP

Sensitivity to Static Discharge: NAP

11. Toxicological Information

None available for product in purchased form. Individual component information is listed below if available.

Cellulose: LC50 (rats, inhalation) = 5,800 mg/m³/4 hours.

Calcium carbonate: Applied to rabbit eyes with no toxic effects noted (concentration and exposure duration not specified). Rats exposed to 81.2 mg/m³ for 90 minutes were sacrificed 1 hour and 21 hours after exposure; no pathologic effects were noted.

Starch: None; treated as a nuisance dust. Source: *NIOSH Registry of Toxic Effects of Chemical Substances (RTECS)*, National Institute for Occupational Safety and Health (provided by Canadian Centre for Occupational Health and Safety, CCINFO May 1995); Lewis, R.J., Sr. 1992, Sax's *Dangerous Properties of Industrial Materials*, Eighth Edition, Van Nostrand Reinhold, NY.

Synthetic Latex: None

Titanium dioxide:

Acute studies: Rats inhaling 16.5 – 19.3 mg/m³ for 7 hours were sacrificed 1, 8, 27 and 132 days after exposure. No lung damage was found.

Chronic studies: Rats inhaling 10, 50, or 250 mg/m³ for 6 hours per day for 5 days per week for 2 years were found to have normal clinical signs, growth and survival in all groups. Mild lung effects were seen at 10 mg/m³.

Source: *NIOSH Registry of Toxic Effects of Chemical Substances (RTECS)*, National Institute for Occupational Safety and Health (provided by Canadian Centre for Occupational Health and Safety, CCINFO May 1995); Lewis, R.J., Sr. 1992, Sax's *Dangerous Properties of Industrial Materials*, Eighth Edition, Van Nostrand Reinhold, NY.

12. Ecological Information

Environmental Fate: No information available at this time.

Environmental Toxicity: NAP

13. Disposal Considerations

Waste Disposal Method: Recycle where possible. If disposed or discarded in purchased form, incineration or dry land disposal is acceptable. It is, however, the user's responsibility to determine at the time of disposal whether your product meets EPA RCRA criteria for hazardous waste. Dispose in accordance with federal, state, and local regulations.

14. Transport Information

Mode: (Air, Land, water) Not regulated as a hazardous material by the U.S. Department of Transportation, nor listed as a hazardous material in Canadian Transportation of Dangerous Goods (TDG) regulations.

Proper Shipping Name: NAP

Hazard Class: NAP

UN/NA: NAP

Packing Group: NAP

Information Reported for Product/Size: NAP

USDOT Shipping Classification NAP

15. Regulatory Information

TSCA: All ingredients are on the TSCA inventory.

CERCLA: Product ingredients are not subject to the reporting requirements of CERCLA.

DSL: All ingredients listed on the Canadian Domestic Substance List

OSHA: NAP

STATE RIGHT-TO-KNOW:

California: This product does not contain substances identified on the Proposition 65 list at levels that pose a significant risk for purposes of Section 25249.10(c) or result in an observable effect for purposes of Section 25249.10(c) of the Act.

Pennsylvania: Cellulose is a listed substance.

New Jersey: Titanium dioxide is a listed substance.

SARA 313 Information: This product does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR Part 372.

SARA 311/312 Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under SARA Title III Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

An immediate (acute) health hazard	No
A delayed (chronic) health hazard	No
A fire hazard	No
A reactivity hazard	No
A sudden release hazard	No

FDA: Weyerhaeuser does not test its UCFS products for FDA compliance as Food Contact Substances. Food Contact Substances are defined as materials used in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food.

WHMIS Classification: Not a controlled product.

CONEG: Weyerhaeuser certifies that the fine paper product supplied to you does not contain lead, cadmium, mercury, or hexavalent chromium that has been intentionally introduced during manufacturing or distribution of said product. To the extent that incidental levels of lead, cadmium, mercury, and hexavalent chromium may be present, these levels conform with allowable limits prescribed by applicable federal, state and local laws and regulations (less than 100 ppm.)

TOY SAFETY ACT: Generally speaking, the toy safety standards found in ASTM Standard F963-03 should not apply to Weyerhaeuser fine paper products because our paper is not designed as a "toy" (i.e., any object designed, manufactured, or marketed as a plaything for children under the age of 14 years of age). There are a few instances when the standard could apply to our products (a) if we are providing packaging film(s) for toys; (b) durability guidelines for packaging used to ship toys; and (c) if the paper is used to construct toys (e.g., drawing paper pads, game pieces, etc.).

16. Additional Information

Date Prepared: 10/16/91

Date Revised: 08/25/04

Prepared By: Corporate Environment, Health & Safety

User's Responsibility: The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.

16. Additional Information (cont'd.)

Definition of Common Terms:

ACGIH	=	American Conference of Governmental Industrial Hygienists
C	=	Ceiling Limit
CAS#	=	Chemical Abstracts System Number
DOT	=	U. S. Department of Transportation
DSL	=	Domestic Substance List
EPA	=	U.S. Environmental Protection Agency
IARC	=	International Agency for Research on Cancer
IATA	=	International Air Transport Association
IMDG	=	International Maritime Dangerous Goods
LCLo	=	Lowest concentration in air resulting in death
LC50	=	Concentration in air resulting in death to 50% of experimental animals
LDLo	=	Lowest dose resulting in death
LD50	=	Administered dose resulting in death to 50% of experimental animals
LEL	=	Lower Explosive Limit
LFL	=	Lower Flammable Limit
MSHA	=	Mining Safety and Health Administration
NAP	=	Not Applicable
NAV	=	Not Available
NIOSH	=	National Institute for Occupational Safety and Health
NPRI	=	Canadian National Pollution Release Inventory
NTP	=	National Toxicology Program
OSHA	=	Occupational Safety and Health Administration
PEL	=	Permissible Exposure Limit
RCRA	=	Resource Conservation and Recovery Act
STEL	=	Short-Term Exposure Limit (15 minutes)
TCLo	=	Lowest concentration in air resulting in a toxic effect
TDG	=	Canadian Transportation of Dangerous Goods
TDLo	=	Lowest dose resulting in a toxic effect
TLV	=	Threshold Limit Value
TSCA	=	Toxic Substance Control Act
TWA	=	Time-Weighted Average (8 hours)
UFL	=	Upper Flammable Limit
WHMIS	=	Workplace Hazardous Materials Information System