

MATERIAL SAFETY DATA SHEET

Newsprint

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Newsprint
Product Use: For printing
Manufacturer's Name: Kruger Inc., 3285 Chemin Bedford, Montreal, Québec, H3S 1G5, Canada
Emergency Telephone: 514-343-3100
Manufacturing locations: 220 route de Windsor, Sherbrooke, Québec, J1C 0E6 Canada
 1 Mill Road, Corner Brook, Newfoundland, A2H 6J4, Canada
 3735 boulevard Gene H. Kruger, Trois-Rivières, Québec, G9A 5P6 Canada
Download: <http://www.kruger.com/html/en/papierspublications/produits.html>
Date MSDS Prepared: 2010-Aug-17

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	CAS Number	Exposure Limit	LD ₅₀
Cellulose pulp	90-100	65996-61-4	ACGIH TLV-TWA (8-hours) - 10mg/m ³ total dust NIOSH REL-TWA (10-hours) - 5mg/m ³ respirable dust - 10mg/m ³ total dust OSHA PEL-TWA (8-hours) - 5mg/m ³ respirable dust - 15mg/m ³ total dust	N/A
Kaolin	<10	1332-58-7	ACGIH TLV-TWA(-A4)* (8-hours) - 2mg/m ³ respirable dust NIOSH REL-TWA (10-hours) - 5mg/m ³ respirable dust - 10mg/m ³ total dust OSHA PEL-TWA (8-hours) - 5mg/m ³ respirable dust - 15mg/m ³ total dust	>5,000mg/kg Oral, Rats
Calcium carbonate	<10	471-34-1	ACGIH TLV-TWA (8-hours) - 3mg/m ³ respirable dust - 10mg/m ³ total dust NIOSH REL-TWA (10-hours) - 5mg/m ³ respirable dust - 10mg/m ³ total dust OSHA PEL-TWA (8-hours) - 5mg/m ³ respirable dust - 15mg/m ³ total dust	6,450mg/kg Oral, Rats

*Note: (-A4) indicates that kaolin is "Not Classifiable as a Human Carcinogen" by ACGIH

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview Warning: Not expected to be a skin irritant. Inhalation may result in transitory irritation to nose and throat.

Potential Health Effects:

Route(s) of Exposure	Inhalation – Yes (Dust) Skin – No Eyes – Yes (Dust) Ingestion – No
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SECTION 3 – HAZARDS IDENTIFICATION (continued)

Signs and Symptoms of Exposure: Inhalation may cause coughing or congestion. Contact with eyes may cause transitory irritation. Not expected to be a skin irritant under normal use. Not expected to be harmful if ingested.

Health Hazards (Acute and Chronic):

- 1. Acute Overexposure: Dust may be a mechanical irritant to the eyes and could cause transitory upper respiratory tract irritation.
- 2. Chronic Overexposure: No data available.

Medical Conditions Generally Aggravated by Exposure: Any pre-existing respiratory condition which would be aggravated by coughing or congestion.

Carcinogenicity:
NTP – N/A
IARC Monographs – N/A
OSHA Regulates – N/A

SECTION 4 – FIRST AID MEASURES

Eye Contact: Dust may cause irritation to the eyes. Symptoms can include irritation, redness, scratching of the cornea and tearing. Flush eyes with water. Seek medical attention if symptoms persist.

Ingestion: Ingestion of newsprint is unlikely. If ingestion does occur, slight gastrointestinal irritation may occur. Certain species of wood may contain natural toxin, which can have adverse effect on humans. If newsprint is swallowed, seek medical attention and advice. Do not induce vomiting unless directed to do so by medical personnel.

Inhalation: Dust may be irritating to the nose, throat and lungs. Symptoms may include nasal dryness, deposits or obstructions in the nasal passage, coughing, sneezing, dryness and soreness of the throat and sinuses, hoarseness and wheezing. Remove person to fresh air. Seek medical attention if symptoms persist.

Skin Absorption: N/A

Skin Contact: Some wood species may contain natural toxins, which may cause dermatitis or allergic reactions in sensitized individuals. Seek medical attention if symptoms persist.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Points: N/A

Flammable Limits: See below under “Special Fire Hazards”

Flammability of the Product: May be combustible at high temperature

Extinguishing Media: Water, foam or carbon dioxide

Autoignition Temperature: 450°C (842 °F)

Special Fire Hazards: None treat as ordinary combustible. Under certain conditions dry 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.

Products of Combustion: Carbon dioxide, carbon monoxide, water

HMIS/NFPA Rating: Health = 0

Flammability = 1

Reactivity = 0

Personal Protection Index = 1

Definitions: 0 = Least, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Not applicable for product in purchased form. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Sweep or vacuum dried product and dispose of properly. Use NIOSH/MSHA approved dust mask and goggles where ventilation is not possible and exposure limits may be exceeded.

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SECTION 7 – HANDLING AND STORAGE

Avoid generating airborne dust. Protect from excessive moisture and keep away from open flame. Maintain good housekeeping practices.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Ventilation: Local Exhaust: As needed to keep dust below exposure limit
Mechanical (General): As needed to keep dust below exposure limit
Special: None
Other: None

Respiratory Protection: Not applicable for product in purchased form. NIOSH/MSHA approved dust respirator, if needed.

Protective Gloves: Not applicable for product in purchased form. Wear protective gloves to protect overly-sensitive skin.

Eye Protection: Not applicable for product in purchased form. Wear goggles or safety glasses if needed.

Other Protective Clothing or Equipment: Not applicable for product in purchased form.

Work/Hygienic Practices: Not applicable for product in purchased form.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White
Physical State: Solid in rolled form
Odour: Odourless
Odour Threshold: N/A
Density [g/cm³]: 0.60
Evaporation Rate: N/A
Vapour Density: N/A
Vapour Pressure: N/A
pH: N/A
Boiling Point: N/A
Freezing Point: N/A
Oil/water Partition Coefficient: N/A
Solubility in Water: Insoluble

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability: Stable
Incompatibility (Materials to Avoid): Avoid contact with oxidizing agents.
Hazardous Decomposition Product: Carbone dioxide, Carbone monoxide, smoke
Hazardous Polymerization: Will not occur
Conditions to Avoid: None in designed use
Physical Hazards: Material not reactive
Sensitivity to Mechanical Impact: N/A
Sensitivity to Static Discharge: N/A

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data: None available in product purchased form.
Eye/Skin Effects: Not expected to be a skin irritant under normal use. Contact with eyes may cause transitory irritation.

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SECTION 11 – TOXICOLOGICAL INFORMATION (continued)

Acute Oral/Inhalation Effects:

Cellulose LD ₅₀ :	N/A
Kaolin LD ₅₀ :	>5,000mg/kg Oral, Rats
Calcium carbonate LD ₅₀ :	6,450mg/kg Oral, Rats

SECTION 12 – ECOLOGICAL INFORMATION

Newsprint is considered inert in the environment. Cellulose fiber biodegrades in water. Calcium carbonate dissociates in water and its ions are widely found in natural waters. If contaminated, evaluate according to all applicable Federal, State, and Local laws and regulations.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: If discarded in purchased form, this product may be landfilled or incinerated. However, it is the user's responsibility to determine at the time of disposal whether your product meets EPA RCRA criteria for hazardous waste. Dispose of in an approved landfill in accordance with federal, state, and local regulations. Wastes are not hazardous as defined by RCRA (40 CFR, part 261)

SECTION 14 – TRANSPORT INFORMATION

Mode of Transportation:	Air, land or water. The US Department of Transportation does not regulate it as hazardous material.
Proper Shipping Name:	Not regulated
USDT Hazard Classification:	Not classified
UN, NA ID Number:	Not regulated
Packing Group:	Not regulated

SECTION 15 – REGULATORY INFORMATION

It is the user's responsibility to determine what regulatory information is relevant to the usage of this product.

CERCLA:	Material and its ingredients are not reportable under CERCLA.
DSL:	Cellulose pulp, kaolin and calcium carbonate are listed on the DSL.
FDA:	This product is not intended to be ingested or used as a food contact material.
GRAS:	
Cellulose pulp:	Listed in the Code of Federal Regulations 21 CFR 186.1673 as an indirect food substance which is Generally Recognized as Safe (GRAS).
Kaolin:	Listed in the Code of Federal Regulations 21 CFR 186.1256 as an indirect food substance which is Generally Recognized as Safe (GRAS).
Calcium carbonate:	Listed in the Code of Federal Regulations 21 CFR 184.1191 as a direct food substance affirmed as generally recognized as safe (GRAS).
IARC:	N/A
NTP:	N/A
OSHA:	Cellulose pulp, kaolin and calcium carbonate are regulated as physical or chemical hazards.
RCRA:	This material (as a product) is not defined as a hazardous waste under RCRA 40CFR Part 261.
TSCA:	Kaolin and calcium carbonate are listed in the TSCA inventory but are not otherwise regulated by TSCA
USDT Hazard Classification:	Not classified

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SECTION 15 – REGULATORY INFORMATION (continued)

US State Regulations:

California Proposition 65: 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.

New Jersey: This product does not contain any substances listed.

Pennsylvania: Cellulose, kaolin and calcium carbonate are listed by the state of Pennsylvania.

SARA 313: This product does not contain any chemical ingredient with known CAS numbers that exceed the de minimis reporting levels established by SARA Title III, section 313 and 40 CFR section 372.

SARA 311/312: This product has been reviewed according 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 corrosive hazard:	No
A fire hazard:	No
A reactivity hazard:	No
A sudden release hazard:	No

WHIMIS: Kaolin is a controlled product as D2A.

SECTION 16 – OTHER INFORMATION

Prepared by: Kruger Inc., 3285 Chemin Bedford, Montreal, Quebec, H3E 2B7, Canada

Date prepared: 2010-Aug-17

Date revised: 2010-Aug-17

Additional information: The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. Kruger Inc. believes the statements, technical information, and recommendations above are accurate and are provided in good faith, but are given without warranty or guarantee of any kind. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Newsprint is made for printing applications. It is the user’s responsibility to determine if the product is suitable for other proposed application and to follow necessary safety precautions accordingly. The user has the responsibility to make sure that this MSDS sheet is the most up-to-date issue.

ACGIH: American Conference of Industrial Hygienists

CAS: Chemical Abstracts Service

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

CFR: Code of Federal Regulations

DSL: Domestic Substance List

EPA: US Environmental Protection Agency

FDA: U S Food and Drug Administration

GRAS: Generally recognized as safe

IARC: International Agency for Research on Cancer

LD₅₀: Lethal Dose that kills half (50%) of the animals tested

LEL: Lower Exposure Limit

MSHA: Mine Safety and Health Administration

NA: North American

N/A: Not Applicable

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

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SECTION 16 – OTHER INFORMATION

OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
RCRA:	Resource Conservation and Recovery Act
REL:	Recommended Exposure Limit
SARA:	Superfund Amendment and Reauthorization Act
TLV:	Threshold Limit Value
TSCA:	Toxic Substance Control Act
TWA:	Time-Weighted Average
UN:	United Nations
USDT:	US Department of Transportation
WHIMIS:	Workplace Hazardous Materials Information System