

SAFETY DATA SHEET

Nonwoven Spunlaced Composite

Titan Professional Shop Towel (02641, 02642, 02643)

SECTION 1 – IDENTIFICATION

Product Identifier: Nonwoven Spunlaced Composite, Kruger PRO Wiper

Nature of the fiber(s): Cellulose and polypropylene

Supplier identifier: Kruger Products Inc., 2 Prologis Blvd #500, Mississauga, ON, L5W 0G8, Canada

Brand Identifier: Titan Professional Shop Towel (02641, 02642, 02643)

Download: <https://www.krugernonwovens.com/>

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SECTION 2 – HAZARDS IDENTIFICATION

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

Potential Health Effects:

Route(s) of Exposure: Inhalation – Yes (Dust)
Skin – Yes
Eyes – Yes (Dust)
Ingestion – No

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: Nonwoven Spunlaced Composite dust may be a mechanical irritant to the eyes and could cause transitory upper respiratory tract irritation. It may cause dermatitis or allergic reactions in sensitized individuals
2. Chronic Overexposure: Nonwoven Spunlaced Composite 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.

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: Not listed
OSHA Regulates – N/A

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	CAS Number	Exposure Limit	LD ₅₀
Cellulose Pulp	60-100	65996-61-4	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	>5,000mg/kg [rat]
Polypropylene	0-40	9003-07-0	ACGIH TLV-TWA (8-hours) - 3mg/m ³ respirable dust	>8,000mg/kg [rat]

Safety Data Sheet

Titan Professional Shop Towel (02641, 02642, 02643)



			- 10mg/m ³ total dust NIOSH REL-TWA (10-hours) - None established for the plastic resin itself OSHA PEL-TWA (8-hours) - 5mg/m ³ respirable dust - 15mg/m ³ total dust	
Water	0-10	7732-18-5	Not listed in ACGIH, NIOSH, OSHA	> 90 ml/kg Rats

SECTION 4 – FIRST AID MEASURES

Eye Contact:	Nonwoven Spunlaced Composite 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 Nonwoven Spunlaced Composite is unlikely. If ingestion does occur, slight gastrointestinal irritation may occur. Certain species of wood may contain natural toxins, which can have adverse effect on humans. If Nonwoven Spunlaced Composite is swallowed, seek medical attention and advice. Do not induce vomiting unless directed to do so by medical personnel.
Inhalation:	Nonwoven Spunlaced Composite 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 people 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:	above 230–250°C (446–482°F)
Flammable Limits:	See below under “Special Fire Hazards”
Flammability of the Product:	May be combustible at high temperature
Extinguishing Media:	Water, foam, dry chemicals or carbon dioxide
Autoignition Temperature:	230°C (446°F)
Special Fire Hazards:	This product contains combustible thermoplastic material. Protect eyes and skin, wear a mask for smoke protection.
Products of Combustion:	Carbon dioxide, carbon monoxide, smoke, water
HMIS/NFPA Rating:	Health = 1 Flammability = 1 Reactivity = 0 Personal Protection Index = 1 Definitions: 0 = Least, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Do not release into the environment. Dispose of in appropriate containers and avoid generating dust.

SECTION 7 – HANDLING AND STORAGE

Avoid contact with skin, eyes, and clothing. Do not ingest or inhale. Prevent the formation of airborne dust. Protect from excessive moisture and keep away from open flames. Maintain good housekeeping practices.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Ventilation:	Local Exhaust:	None
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Safety Data Sheet

Titan Professional Shop Towel (02641, 02642, 02643)



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 or colored nonwoven fabric
Physical State:	Solid
Taste:	Tasteless
Odour:	Odourless
Odour Threshold:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Density [g/cm³]:	<1.00
Evaporation Rate:	N/A
Vapour Density:	N/A
Vapour Pressure:	N/A
Viscosity:	N/A
pH:	N/A
Boiling Point:	N/A
Freezing Point:	N/A
Melting point:	>160 °C (Polypropylene)
Thermal decomposition:	>175°C (Cellulose)
Autoignition temperature:	230°C (446°F)
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, water
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.
Acute Oral/Inhalation Effects:	
Cellulose LD ₅₀ :	Cellulose LC ₅₀ (rats, inhalation) = 5,800mg/m ³ /4h. Source: 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).
Polypropylene LD ₅₀ :	Polypropylene is not considered acutely toxic via inhalation.

Safety Data Sheet

Titan Professional Shop Towel (02641, 02642, 02643)



SECTION 12 – ECOLOGICAL INFORMATION

Material and its ingredients are considered inert in the environment. The cellulose portion biodegrades in water. If contaminated, evaluate according to all applicable federal, state, provincial 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, provincial and local laws and 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: Material and its ingredients are listed on the DSL.
FDA: Components of this product are compliant with applicable U.S. Food and Drug Administration (FDA) regulations for food-contact materials (e.g., 21 CFR 176, 177), subject to limitations and conditions of use. The final determination of compliance is the responsibility of the user based on the specific application, formulation, processing conditions, and regulatory requirements. No warranty or representation is made regarding the suitability of this product for any particular food-contact application.
IARC: Material and its ingredients are not listed as carcinogens.
NTP: Material and its ingredients are not listed in the *Report on Carcinogens*.
OSHA: Non-hazardous.
RCRA: Material and its ingredients are not defined as hazardous wastes under RCRA.
TSCA: Material and its ingredients are listed on the TSCA Inventory, they are Considered existing substances.
USDT Hazard Classification: Material and its ingredients are not regulated as a hazardous material for transportation (DOT)
US State Regulations:
 California Proposition 65: This product does not require a warning about chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.
 Massachusetts: Does not contain any substances listed by the state of Massachusetts.
 New Jersey: Does not contain any substances listed by the state of New Jersey.
 Pennsylvania: Contains cellulose, a substance listed by the state of Pennsylvania.
SARA 311/312: Not subject to SARA 311/312 reporting under normal conditions. 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

Safety Data Sheet

Titan Professional Shop Towel (02641, 02642, 02643)



A corrosive hazard:	No
A fire hazard:	No
A reactivity hazard:	No
A sudden release hazard:	No

SARA 313: This material does not contain chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA).

WHMIS: Not a WHMIS hazardous product.

SECTION 16 – OTHER INFORMATION

Prepared by: Kruger Products Inc., 2 Prologis Blvd #500, Mississauga, ON, L5W 0G8, Canada

Date Prepared: 2026-June-22

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Additional information: The information provided in this Safety Data Sheet (SDS) is intended solely for the material specified herein and does not apply to its use in combination with any other materials or processes. To the best of our knowledge, the information contained herein is believed to be accurate as of the date of issue; however, it is provided without any representation, warranty, or guarantee, express or implied, regarding its accuracy, completeness, or suitability. This document is intended as general guidance for the safe handling, use, processing, storage, transportation, and disposal of the product by appropriately trained personnel. It is not intended to be all-inclusive, and conditions of use are beyond the control of Kruger Products Inc. The user is responsible for determining the suitability of the product for its intended use and for ensuring compliance with all applicable laws and regulations. The user must also ensure that they have the most current version of this SDS.

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: US 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

MSHA: Mine Safety and Health Administration

NA: North America

N/A: Not Applicable

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

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

WHMIS: Workplace Hazardous Materials Information System