Fisher TEXTILES
the fabric of success

TECHNICAL DATA SHEET

DD4420 NIRVANA PURITY® (FR)

F7® DIRECT PRINT CERTIFIED FABRIC

WEIGHT:	9.5 oz/yd^2 (320 g/m^2)
COMPOSITION:	56.3% PA, 43.7% Poly
WIDTH:	126″
CONSTRUCTION:	Warp Knit 2 bar
PRINTING COMPATIBILITY:	Direct Dye Sublimation Printing with Dispersed Inks
FLAME RETARDANCY:	German B-1 DIN 4102-1; NFPA 701
THICKNESS:	0.46 mm
SPECIAL FEATURES:	White-on-back, opaque, excellent durability and tear strength. This is an F7 Certified Fabric, specially designed for direct print, it undergos a comprehensize manufacturing process to ensure reliability and consistency on every roll.
DURABILITY:	Dependent upon the environment the fabric is exposed to.
SUGGESTED APPLICATIONS:	Banners - Indoor, Exhibit Graphics, Retail Displays, Silicone Edge Graphics

The above recommendations are a result of laboratory testing. We recommend additional testing in the manufacturing facility prior to printing. Data are averages achieved for actual production runs. Product safety evaluations may not have been completed for the intended use. Samples of this product should be used for concept evaluations only.

Revised: 1.27.2020

Fisher Textiles | 4211 Matthews Indian Trail Road, Matthews, NC 28104
Toll Free: 800.554.8886 | Fax: 704.821.8880 | fishertextiles.com |

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SAFETY DATA SHEET

STYLE: DD4420 NIRVANA PURITY® (FR)

SECTION 1 - IDENTIFICATION

Style: DD 4420 Nirvana Purity® (FR)
Manufacturer: Fisher Textiles
Address: 4211 Matthews Indian Trail Rd.
Matthews, NC 28104
Phone: 704-821-8870
Fax: 704-821-8880
Email: info@fishertextiles.com

Recommended Use: Fabric for digital printing for usages including displays and blockout.
Restrictions on Use: Not Applicable

SECTION 2 - HAZARD(S) IDENTIFICATION

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]: No data available
Classification according to Directive 67/548/EEC or 1999/45/EC: No data available

Label elements
Label according to Regulation (EC) No 1272/2008 [CLP] Hazard pictogram: No

Other hazards
No data available

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	%wt/wt	Classification according to CLP	Classification according to DSD
PA	25038-74-8	56.3	Not Classified	Not Classified
Polyester	113669-95-7	43.7	Not Classified	Not Classified

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. If medical advice is needed, have product container or label at hand.

First-aid measures after skin contact: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice. If medical advice is needed, have product container or label at hand.

First-aid measures after ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container label. If swallowed, rinse mouth with water (only if the person is conscious). Drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : High concentration of vapors may induce: headache,

nausea, dizziness. Irritant effect on the respiratory tract.

Symptoms/injuries after skin contact : Slightly irritating to skin. Prolonged/repetitive skin contact may cause skin depatterning or dermatitis. Heated product causes burns.

Symptoms/injuries after eye contact: Slightly irritating to eyes.

Symptoms/injuries after ingestion: Nausea.

Indication of any immediate medical attention and special treatment needed

Following contact with the melted product, quickly cool affected skin area with water.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: carbon dioxide, water, dry chemical powder. Water fog.

Special hazards arising from the substance or mixture

Fire hazard: Apply aqueous extinguishing media carefully to prevent frothing/steam explosion.

Reactivity: On combustion, forms carbon dioxide; sulphur dioxide; nitrogen oxides; carbon monoxide.

Advice for firefighters

Firefighting instructions: Cool tanks/drums with water spray/remove them into safety.

Protective equipment for firefighters: In case of fire: Wear self-contained breathing apparatus. Refer to section 8.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures: Use water spray/stream to protect personnel and to cool endangered containers. Emergency cooling must be provided for in case of fire. Remove product from area of fire.

For non-emergency personnel

Protective equipment: Wear suitable protective clothing, gloves and eye/face protection. Refer to section 8.

Emergency procedures: Remove all sources of ignition. Stop leak if safe to do so.

For emergency responders

Protective equipment: In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing,gloves and eye/face protection. Refer to section 8.

Emergency procedures: Evacuate unnecessary personnel. Remove all sources of ignition. Stop leak if safe to do so.

Environmental precautions

Avoid release to the environment. Contaminated fire-fighting water must be collected separately. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods and material for containment and cleaning up

For containment: Stop leak if safe to do so. Eliminate leaks immediately.

Methods for cleaning up: Collect in closed containers for disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). When in liquid

state (heated) must be chilled with water to solidify.

Other information: Relevant water authorities should be notified of any large spillage to water course or drain.

Reference to other sections

No data available.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Use only in well ventilated areas. Use personal protective equipment as required. The melted product can cause severe burns.

Conditions for safe storage, including any incompatibilities

Technical measures: Floors should be impenetrable, resistant to liquids and easy to clean. The floor should be leak tight, jointless and not absorbent.

Incompatible materials: Oxidizing agents, strong.

Storage area: Keep away from open flames, hot surfaces and sources of ignition. Keep away from: humid air. Store in a dark area. Only use anti-static equipped (spark-free) tools. Ensure the grounding of containers, apparatus, pumps and suction equipment. Floors should be impenetrable, resistant to liquids and easy to clean. The floor should be leak tight, jointless and not absorbent.

Special rules on packaging: Portable Tanks/vessels.

Specific end use(s)

No data available.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters: No data available.
Exposure controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation.
Personal protective equipment: Take off contaminated clothing and wash before reuse. Used working clothes should not be used outside the work area. Do not eat, drink or smoke when using this product. Wear protective gloves and eye/face protection.
Hand protection: Protective gloves made of PVC.
Eye protection: Wear eye protection/face protection.
Respiratory protection: Wear respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used.
In case of fire: Wear self-contained breathing apparatus.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Appearance: No data available

Color: No data available

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point: No data available

Solidification point: Not applicable

Boiling point: No data available

Flash point: No data available

Relat. evapor. rate comp. to butylacetate: No data available

Flammability (solid, gas): Not applicable

Explosive limits: Not applicable

Vapour pressure: Not applicable

Relative vapour density at 20 °C: No data available

Relative density: No data available

Solubility: Soluble in toluene. No data available

Water: Insoluble

Log Pow: Not applicable

Self ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidizing properties: No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: On combustion, forms carbon dioxide; sulphur dioxide; nitrogen oxides; carbon monoxide.

Chemical stability: Stable at normal conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: Oxidizing agents, strong.

Hazardous decomposition products: No data available

SECTION 11 - TOXICOLOGICAL INFORMATION (ROUTES OF EXPOSURE)

Not classified

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic toxicity

Acute (short-term) toxicity: No data available

Chronic (long-term) toxicity: No data available

Persistence and degradability

Biodegradation: No data available

Bioaccumulative potential

Bioconcentration factor (BCF): No data available

Mobility in soil

Adsorption/Desorption: No data available

Results of PBT and vPvB assessment

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Consult the local waste disposal expert about waste disposal.

SECTION 14 - TRANSPORT INFORMATION

No label is required during transport

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance

EU-Regulations
This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable -

67/548/EEC, 1999/45/EC, Regulation (EC) No 1272/2008, Regulation (EC) No 1907/2006, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC and 1999/13/EC.

International/national regulations
UN recommendation on the transport of dangerous goods.

SECTION 16 - OTHER INFORMATION

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handing, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

SDS Prepared: 3.17.2020

DIVERSIFIED
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October 1, 2019

FISHER TEXTILES
P. O. Box 307
Indian Trail, NC 28079-0307

Reference: Laboratory Test Report
Lab Identification No. 38201
Invoice No. 69389

Dear Sir or Madam:

One (1) fabric sample, identified as **DD4420 Nirvana Purity,** was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2019 Edition, (Test 1)". The results are as follows:

	Test Results	
Specimen Number	**Residual Flame** (seconds)	**Weight Loss** (percent)
1	0.0	6.58
2	0.0	7.72
3	0.0	2.26
4	0.0	4.31
5	0.0	10.65
6	0.0	11.56
7	0.0	6.33
8	4.0	4.08
9	0.0	4.46
10	0.0	5.21
AVG	0.4	6.32

The sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

Brian S. Dement

BSD/mr