



Material Handling Data sheet

Ingredients:

4% capsaicin (ingredient naturally found in and derived from chili peppers)

Food grade certified

Processing

- Raw materials should be kept in cool, dry storage
- Raw materials should be kept separate from other materials until processed
- Some shedding may occur, (white powdery substance/residue), normal during processing. Clean machinery using guide lines set forth: Clean machine using normal procedures including gloves, dispose of materials in normal fashion, washing hands thoroughly after use.
- After processing into a garment, washing in cold water a minimum of 2 washes is recommended for best customer experience
- Boarding or processing at temperatures above 160 deg F is not recommended

Precautionary statements

- During processing eye and face protection are encouraged
- If handling be careful when touching eye, nose or mouth. Can cause eye, mouth and nose irritation

Response

- If in eyes, flush immediately with plenty of gently flowing clean water/saline, occasionally lifting eye lids until no chemical remains. Obtain medical attention immediately.
- If skin irritation or rash occurs, wash with dish soap and cold water.

Supplemental Information:

- Material is patent pending. Any replication or use other than intended will be subject to laws governing patents and others in the United States and affiliated countries.

Contact Information

Sandy Wood

Textile-Based Delivery, Inc.

Phone: (336) 469-5686

Email: Srwood@Texdel.com

Messaging Guidelines: Topical Analgesia (Pain Relief)

Synthetic Capsaicin (Nonivamide)

What is Capsaicin?

Capsaicin is the active ingredient in chili peppers that makes them hot. It is used topically for temporary relief of minor aches and pains of muscles and joints associated with arthritis, backache, and strains. Capsaicin used on the body causes a sensation of heat that activates certain nerve cells. With regular use of capsaicin, this heating effect reduces the amount of substance P, a chemical that acts as a pain messenger in the body.

How does it work?

It drives chemical interactions with sensory neurons by binding to the vanilloid receptor subtype 1 (TRPV1). TRPV1 is a calcium ion channel-type receptor and the function of TRPV1 is detection and regulation of body temperature. Agonists such as capsaicin activate TRPV1 and upon prolonged application, cause TRPV1 activity to decrease (desensitization). This leads to alleviation of pain via the subsequent decrease in the TRPV1 mediated release of inflammatory molecules following exposures to stimuli.

It may take up to 2 weeks of using capsaicin regularly before symptoms improve. For best results, keep using as directed. Pain relief should occur gradually as the substance P in the body is decreased in the nerve cells.

Capsaicin can cause a warming (even burning) sensation wherever it is applied. This sensation is usually mild and should gradually lessen over time with continued regular use of the medicine. If the burning sensation is painful or causes significant discomfort, wash the treated skin area with soap and cool water. Get medical attention if you have severe burning, pain, swelling, or blistering.

Use: labeled Indications/claims

Muscle/Joint pain: Temporary relief of minor aches and pain of muscles and joints associated with backache, strains, sprains, arthritis, bruises, cramps, or muscle stiffness or soreness.

Neuropathic pain: Management of neuropathic pain associated with diabetic neuropathy or postherpetic neuralgia.

Every person is different and if the sensation is too strong at first, we would suggest washing the garment once or twice before use.

Required drugs facts label

Drug Facts	
Active Ingredient: Synthetic Capsaicin 0.036%.....	PurposeTopical Analgesic
Uses ■ For the temporary relief of minor aches and pains of muscles and joints associated with: simple backache, arthritis, strains, bruises, and sprains.	
Warnings For external use only	
Do not use ■ Allergy Alert: if you are allergic to any ingredients of this product or chili peppers contact a doctor before use ■ On wounds or damaged skin ■ With, or at the same time as, other external analgesic products ■With a heating pad	
When using this product ■ You may experience a burning sensation which is normal and related to the way the product works. With regular use, this sensation generally diminishes. ■ Do not use immediately before or after activities such as swimming, showering, sunbathing or intense exercise. ■ Use only as directed ■ Avoid contact with eyes and mucous membranes or rashes	
Stop use and ask a doctor if: condition worsens, symptoms persist more than 7 days or clear up and occur again within a few days ■ rash, itching or excessive skin irritation develops ■ If pregnant or breastfeeding consult a healthcare professional before use. Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.	
Directions: ■ Clean and dry affected area ■ Remove sock from packaging and place on feet ■ Maximum use of 8 hours per day. Remove sock after 8 hours of wear ■ Wear sock daily, but not more than 4 times per week ■ Wash separately from other clothing	
Other Information Avoid storing product in direct sunlight. Protect product from excessive moisture	
Inactive Ingredients	

Net weight: 2 socks
 NDC #: 72490-XXX-XX
 Distributed by: XX
 Lot #: XX
 Expiration Date: XX

Knitting Requirements:

- Nufabrx material will knit well on machines at or below 168 needle count
- For most effective results, Nufabrx material will need to be placed in areas of the garment that have direct contact with the skin (as much as possible)
- Nufabrx as a plating yarn to the inside is the most preferred; it can also be used in flat knit, select terry and full terry but effectiveness is reduced
- Depending on the type of machinery being used, feeders are recommended to get the best performance from knitting. Feeders are recommended but not required

Minimum Nufabrx Yarn (weight/percentage):

Typically Nufabrx yarns are incorporated in a garment at levels of 15 to 35%. (Usually 20-30%). Depending on construction the Nufabrx yarn should provide approximately 10mg/cm² of active in regions of the garment designed to deliver. The actual percent of Nufabrx yarn incorporated will depend on the specific garment construction. The user guide provided at the bottom of this document will help guide a customer through the process.

Product:

Base Yarn:

Nylon 66 – 1/70/34 – Round

0% Oil – 0 Tack – 18% Elongation

Finished Yarn:

Double covered using 30/34 spandex covering 40 denier spandex and Nufabrx yarn parallel in the core

Construction Technique: Knit

Full terry – Select terry – Flat – Plating

Lonati 4” cylinder – 168 needle count –

High-speed setting

Finishing:

Solution dyed material – Boarding less than 160° F. No high temperature dyeing, bleaching or scouring.

Machine wash low heat

EXHIBIT A

1. MATERIALS

Nufabrx Active Relief Yarn

2. EVALUATION PERIOD

The Evaluation Period will commence on the date delivered for a period of 60 days.

3 WARNING LABEL

TEST PRODUCT FACTS

Test Product Active Ingredient: *Capsaicin*

Uses: *Temporary relief of minor aches. Soothing of muscles and joints.*

Directions: Wear products as you would a normal garment. For increased sensation wear garments (specifically athletic sleeve) while exercising. Sweat opens pores and increases tangible sensation. For best consumer experience, wash garment made of Texdel material a minimum of 2 times in cold water before use. (Prewash)

Processing at temperatures above 160 deg F is not recommended.

Warnings: *FOR EXTERNAL USE ONLY*

Do not use: *on face, wounds or damaged skin*

Ask a doctor before use if: *you are allergic to topical products.*

Stop using Test Product and ask doctor if: *rash, itching or skin irritation develops*

Disclaimer

The user guide provided is based on Nufabrx garment code 0002. All information supplied in this document is based on the corresponding product above. Any and all claims that this document express are strictly based on said code. Replication or duplication of the product described in the document does not imply that technical results shown for the garment above will be perfectly duplicated. Results and data may vary depending on a number of different parameters. Proper material efficacy can only be insured by completing the questions provided below in the technical data sheet and consulting with the Nufabrx technical department on specifics related to your application.

Nufabrx material user guide and technical data sheet:

Please refer to the following as guidelines to help you and TexDel develop the best use of your enhanced Nufabrx material.

texdel

Please provide the following information for initial evaluation, which will allow us to determine the product to best suit your application of Nufabrx enhanced materials. Please let us know if you would prefer to schedule a phone consultation.