



gloveen **COATS**<sup>®</sup>

Colloidal Oatmeal System

## Nitrile Exam Gloves Powder Free, Standard Cuff

COATS<sup>®</sup> (an acronym for colloidal oatmeal system) is a patented and unique nitrile glove technology. COATS<sup>®</sup> utilises the powerful benefits of all-natural oats, an FDA-recognised skin protectant, as a coating that forms a natural, moisturising barrier between the glove and skin. This acts as a preventative measure against skin irritation, and eliminates many of the uncomfortable and irritating conditions experienced when wearing normal gloves. Users who suffer from dry and itchy skin due to constant hand washing and glove usage can now rely on COATS<sup>®</sup> to soothe and nurture the skin, and protect their hands while they work.



		COATS <sup>®</sup> Nitrile	
Length (mm)		≥ 230	
Thickness Measurements (mm)			
Palm (centre of Palm)		0.07 ± 0.02	
Finger (13mm ± 3mm from tip)		0.09 ± 0.02	
Physical Properties		Before Ageing	After Ageing
Tensile Strength (MPa)		≥ 18	≥ 16
Elongation (%)		≥ 500	≥ 400
Inspection Levels & AQL		Inspection Level	AQL
Watertightness		G1	1.5
Physical Dimensions		S2	4.0
Physical Properties		S2	4.0
Visual Inspection (Major)		S4	2.5
Visual Inspection (Minor)		S4	4.0
Particulate Residue		N = 5	≤ 2mg/glove
Colloidal Oatmeal Content		N = 5	≥ 5mg/glove

Chemotherapy Drugs and Concentration (Tested for Resistance to Permeation by Chemotherapy Drugs as per ASTM D6978-05)	Minimum Breakthrough Detection Time (minutes)
Carmustine (BCNU), 3.3mg/ml (3,300 ppm)	Not recommended
Cisplatin, 1.0mg/ml (1,000 ppm)	>240 minutes
Cyclophosphamide (Cytosan), 20.0mg/ml (20,000 ppm)	>240 minutes
Dacarbazine (DTIC), 10.0mg/ml (10,000 ppm)	>240 minutes
Doxorubicin Hydrochloride, 2.0mg/ml (2,000 ppm)	>240 minutes
Etoposide (Tospor), 20.00mg/ml (20,000 ppm)	>240 minutes
Fluorouracil, 50.0mg/ml (50,000 ppm)	>240 minutes
Methotrexate, 25.0mg/ml (25,000 ppm)	>240 minutes
Mitomycin C, 0.5mg/ml (500 ppm)	>240 minutes
Paclitaxel (Taxol), 6.0mg/ml (6,000 ppm)	>240 minutes
Thiotepa, 10.0mg/ml (10,000 ppm)	Not recommended
Vincristine Sulfate, 1.0mg/ml (1,000 ppm)	>240 minutes

**WARNING:** Gloves used for protection against chemotherapy drug exposure should be selected specifically for the type of chemicals being used. Due to the variety and concentration of chemotherapy drugs used in treatments, the resistance table shown does neither warrant nor imply the safe use of the gloves against chemotherapy drugs resistance in every case. The safe use of gloves in chemotherapy treatment is solely the decision of clinicians authorised to make such decision.

### FEATURES

- Fingertip textured
- Powder free
- Not made with natural rubber latex
- Chemo drugs tested
- Lab chemical tested
- Ambidextrous
- Standard cuff
- Dawn blue colour

### PACKAGING

100 gloves per box (XS-L)  
90 gloves per box (XL)  
10 boxes per carton

### REGULATORY COMPLIANCE

TGA - ARTG 164563, FDA 510(k),  
MDD 93/42/EEC, REACH, EC 10/2011,  
EC 1935/2004

### STANDARDS

ASTM D6319, ASTM D412, ASTM D573,  
ASTM D5151, ASTM D6124,  
EN 455 part 1, 2, 3 & 4,  
EN 1186, EN 13130, CEN/TS 14234

### PATENTS

Patent 7,691,436; Patent 7,718,240;  
Patent 7,740,622; Patent 8,075,965;  
Patent 8,458,818

### MANUFACTURING ACCREDITATIONS

ISO 9001  
ISO 13485  
EN ISO 13485  
ISO 14001  
OHSAS 18001



## COATS® Colloidal Oatmeal Coated Nitrile Powder Free 2.5 Mil

### ASTM D3578

Physical Dimensions		
Glove Length (mm)	≥ 230	
Palm Thickness (mm)	0.07 ± 0.02	
Finger Thickness (mm)	0.09 ± 0.02	
Physical Properties		
Test	Before Aging	After Aging
Tensile strength (MPa)	≥ 18.0	≥ 16.0
Elongation (%)	≥ 500	≥ 400

### EN 455

Physical Dimensions		
Median glove length (mm)	≥ 240	
Median palm thickness (mm)	0.07 ± 0.02	
Median finger thickness (mm)	0.09 ± 0.02	
Physical Properties		
Test	Before Aging	After Aging
Median Force at break (N)	≥ 6	≥ 6



### Regulatory Compliance

FDA 510(k), MDD 93/42/EEC, REACH, ROHS Directive 2002/95/EC, EC 10/2011, EC 1935/2004, PPE 89/686/EEC

### Standards

ASTM D6319, ASTM 6978, EN455 part 1, 2, 3 & 4, EN 1186, EN 13130, CEN/TS 14234, EN 420, EN 374 part 1, 2 & 3

### Classification

Class I (FDA), Class I (MDD 93/42/EEC), Category 3 (BfR XXI), Category III (PPE 89/686/EEC)

### Patent

7,691,436; 7,718,240; 7,740,622; 8,075,965; 8,458,818

### Application Settings

Low risk - medical, dental, procedures, chemotherapy drugs, pathology lab and food handling. Coated with FDA recognised skin protectant. Clinically proven to help protect and moisturise your skin from dry and irritated skin from prolonged glove use and hand wash.

### Colour

Dawn blue, white

# MATERIAL SAFETY DATA SHEET



## SECTION 1: PRODUCT IDENTIFICATION

### COMMON NAME (USED ON LABEL)

Nitrile Powder Free Examination Gloves

### APPLICATION

Medical and Dental

### CHEMICAL FAMILY

Carboxylated Butadiene Acrylonitrile Polymer Latex

### TRADENAME & SYNONYM

GLOVEON COATS NITRILE (CTS38)

NITRILE POWDER FREE EXAMINATION GLOVES COATS

## SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	%(WT)	TLV	PEL
N/A	N/A	N/A	N/A	N/A

PEL: Permissible Exposure Limit established by Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-1988.

## SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

### CHEMICAL COMPOSITION

All chemicals used are non-toxic/ non-hazardous.

Butadiene-Acrylonitrile Latex, Sodium Dodecylbenzenesulfonate, Sulphur, Zinc Oxide, Zinc Di-n-butylthiocarbamate, Titanium Dioxide, Paraffin Wax Emulsion

### Coating Ingredient

Colloidal Oatmeal & Constituents, Sodium Benzoate, Processing Aid

## SECTION 4: FIRST AID MEASURE

If reaction in the form of skin irritation is noticed, remove gloves immediately and wash affected part with saline water. If there is no relief, seek medical reactions.

## SECTION 5: FIRE FIGHTING MEASURE

FLASHPOINT	AUTOIGNITION TEMPERATURE	FLAMMABLE LIMITS IN AIR
N/A	N/A	N/A

### EXTINGUISHING MEDIA

Chemical foam and dry chemical may be used.

### FIRE-FIGHTING PROCEDURES

Use standard procedures for combustion material fires, including approved self-contained breathing apparatus.

### FIRE AND EXPLOSION HAZARDS

No fire or explosion hazards are associated with these products. They will melt at elevated temperatures.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### BIOCOMPATABILITY

The chemical formulation of the gloves and surface lubrication materials does not contain any substances normally known to be harmful to the user or to any person with whom the gloves come into contact.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Nitrile Powder Free Gloves are not expected to cause any adverse health effects.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a dry, cool and ventilated area. Do not store above 104 °F (40 °C). Shield open box from direct sunlight, fluorescent lighting and x-rays. Improper storage will decrease usable life.

<b>SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>					
<b>EYE PROTECTION</b> Not necessary under conditions of intended use.			<b>SKIN PROTECTION</b> Not necessary under conditions of intended use.		
<b>RESPIRATORY PROTECTION</b> Not necessary under conditions of intended use.			<b>VENTILATION</b> Not necessary under conditions of intended use.		
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED</b> These products are solid articles and are not subject to leaks or spills.					
<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>					
<b>APPEARANCE/ ODOR</b> Ambidextrous, Beaded Cuff, Micro-textured, Chlorinated, Powder Free, Coated with Colloidal Oatmeal USP Skin Protectant, Dawn Blue.					
<b>DIMENSION</b>	<b>X-SMALL</b>	<b>SMALL</b>	<b>MEDIUM</b>	<b>LARGE</b>	<b>X-LARGE</b>
Length (mm)	Minimum 230 (same for all)				
Width (mm)	76 ± 4	86 ± 4	98 ± 4	107 ± 4	115 ± 4
<b>THICKNESS (mm) - SINGLE WALL MEASUREMENT (same for all)</b>					
Finger (mm)	0.09 ± 0.02				
Palm (mm)	0.07 ± 0.02				
<b>TENSILE PROPERTIES</b>		<b>UNAGED</b>		<b>AGED</b>	
Tensile Strength (Mpa)		Min. 18.0 MPa		Min. 16.0 MPa	
Ultimate Elongation (%)		Min. 500%		Min. 400%	
<b>SECTION 10: STABILITY AND REACTIVITY</b>					
<b>BOILING POINT</b> N/A		<b>VAPOR PRESSURE (mm Hg)</b> N/A		<b>VAPOR DENSITY (air=1)</b> N/A	
<b>SPECIFIC GRAVITY (water=1)</b> N/A		<b>SOLUBILITY IN WATER</b> Insoluble		<b>% VOLATILE BY VOLUME</b> N/A	
<b>EVAPORATION RATE</b> N/A			<b>VISCOSITY</b> N/A		
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>					
<b>STABILITY</b> Stable.			<b>CONDITIONS TO AVOID</b> Does not apply.		
<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b> High polar solvent like methyl ethyl ketone, acetone.					
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> In a fire, these products may produce a black smoke. Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, aromatic/aliphatic hydrocarbons.					
<b>HAZARDOUS POLYMERIZATION</b> Will not occur.					
<b>SECTION 12: ECOLOGICAL INFORMATION</b>					
N/A					
<b>SECTION 13: DISPOSAL CONSIDERATION</b>					
<b>WASTE DISPOSAL METHOD</b> Consult current local, state and federal regulations for proper disposal methods.					
<b>SECTION 14: TRANSPORT INFORMATION</b>					
N/A					
<b>SECTION 15: REGULATORY INFORMATION</b>					
N/A					
<b>SECTION 16: OTHER INFORMATION</b>					
<b>RECOMMENDED USE AND RESTRICTION</b> The Nitrile Powder Free Gloves is a Single Use device.					














# The Brand

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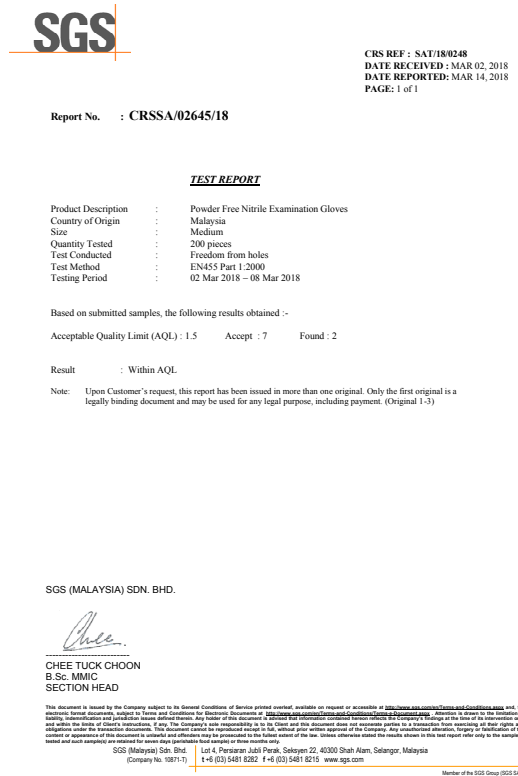
# Certifications

## Certifications

Gloveon's quality standards, management systems and exemplary regulatory compliance, all contribute to the global success of the company. Our capabilities have been assessed and certified by the following international governing bodies.

 Management Service ISO 9001:2015	 America ISO 13485:2016	 EN ISO 13485:2016	 Japan Confirmation Letter for GMP Audit	 Product Service EC Certificate	 ISO 14001:2015
 UL Certification	 ISEGA Food Contact Test Certification (German)	 Registration Certificate for Medical Device	 NFPA Certification	 510(k) Approval	 PPE Cert
 ANVISA					







Hartalega Sdn. Bhd.  
Nurul Kong  
Quality Assurance Senior Manager  
No. 7, Kawasan Perusahaan Suria  
Bestari Jaya, 45600 My

Re: K180505  
Trade/Device Name: Nitrite Powder Free Examination Glove with Colloidal Oatmeal USP with Low-Dermatitis Potential Claim and Tested For Use with Chemotherapy Drugs (White)

Regulation Number: 21 CFR 880.6250  
Regulation Name: Patient Examination Glove  
Regulatory Class: Class I  
Product Code: LZA, LZC  
Dated: May 15, 2018  
Received: May 17, 2018

Dear Nurul Kong:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the [Federal Register](#).

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good

U.S. Food & Drug Administration  
10903 New Hampshire Avenue  
Silver Spring, MD 20993  
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K180505

manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportingaProblem/default.htm>.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (<http://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance>) and CDRLH Learn (<http://www.fda.gov/Training/CDRLHLearn>). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (<http://www.fda.gov/DICE>) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,  
**Clarence W. Murray**  
III III -5  
For Tim King, Ph.D.  
Acting Director  
Division of Anesthesiology,  
General Hospital, Respiratory,  
Infection Control, and Dental Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

AA [accessdata.fda.gov](https://accessdata.fda.gov)

U.S. Department of Health & Human Services

FDA U.S. FOOD & DRUG ADMINISTRATION

510(k) Premarket Notification

1 to 10 of 10 Results

Applicant: Hartalega Decision Date: 05/15/2018

Device Name	Applicant	#1906 Number	Decision Date
Bioscience Nitrite Powder Free Examination Glove Intended For Use With Chemotherapy Drugs And Antineoplastic Agents (White)	Hartalega NIG SDN. BHD.	K200581	04/25/2020
Nitrite Powder Free Examination Glove Tested For Use With Chemotherapy Drugs And Antineoplastic Agents (White)	Hartalega NIG SDN. BHD.	K200019	04/09/2020
Nitrite Powder Free Examination Glove With Low Dermatitis Potential Claim (White)	Hartalega NIG SDN. BHD.	K190232	11/09/2019
Nitrite Powder Free Examination Glove Tested For Use With Chemotherapy Drugs And Antineoplastic Agents (White)	Hartalega NIG SDN. BHD.	K190445	08/20/2019
Latex Powder Free Surgical Glove With Protein Labeling Claim Of 10 Micrometers Or Less Per Gram Of Glove	Hartalega NIG SDN. BHD.	K188236	08/16/2019
Polypropylene Powder Free Surgical Glove, Polypropylene Powder Free Surgical Underglove	Hartalega NIG SDN. BHD.	K183389	06/28/2019
Powder Free Examination Glove With Colloidal Oatmeal USP And Tested For Use With Chemotherapy Drugs (Lemon Green)	Hartalega SDN BHD	K180646	11/16/2018
Black White Powder Free Examination Glove Tested For Use With Chemotherapy Drugs And Antineoplastic Agents (White)	HARTALEGA SDN. BHD.	K180236	11/02/2018
Bioscience Nitrite Powder Free Examination Glove (White)	Hartalega SDN. BHD.	K170209	06/17/2018
Nitrite Powder Free Examination Glove With Colloidal Oatmeal - Lemon Green	Hartalega SDN BHD	K190646	06/10/2019

Page Last Updated: 05/25/2020  
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DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Food and Drug Administration

Form Approved OMB No. 0930-0120  
Expiration Date 09/30/2020  
See PMA Statement below

**Indications for Use**

510(k) Number (if any)  
K180505

Device Name  
Nitrite Powder Free Examination Glove with Colloidal Oatmeal USP with Low Dermatitis Potential Claim and Tested for Use with Chemotherapy Drugs (White)

Indications for Use (Describe)

Nitrite Powder Free Examination Glove with Colloidal Oatmeal USP with Low Dermatitis Potential Claim and Tested for Use with Chemotherapy Drugs (White) is a non-sterile disposable device intended for medical purpose that is worn on the examiner's hand to prevent contamination between patient and examiner. It is also tested to be used against Chemotherapy Drugs.

The list of Chemotherapy Drugs tested (with breakthrough times) is as follows:

Carboplatin (3.3 mg/ml)	17.2 minutes
Cisplatin (1.0 mg/ml)	>240 minutes
Cyclophosphamide (20 mg/ml)	>240 minutes
Doxorubicin (0.6 mg/ml)	>240 minutes
Doxorubicin Hydrochloride (2.0 mg/ml)	>240 minutes
Etoposide (20 mg/ml)	>240 minutes
Fluorouracil (50 mg/ml)	>240 minutes
Methotrexate (2.5 mg/ml)	>240 minutes
Mitomycin C (0.5 mg/ml)	>240 minutes
Paclitaxel (0.6 mg/ml)	>240 minutes
Thioguanin (10.0 mg/ml)	36.1 minutes
Vincristine Sulfate (1.0 mg/ml)	>240 minutes

Do not use with Carboplatin. Do not use with Thiopguin.

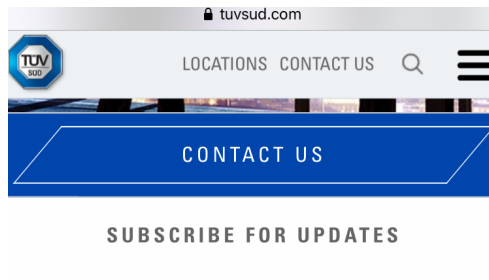
Type of Use (Select one or both, as applicable)  
Premarket/Postmarket Use (Part 21 CFR 801 Subpart E)  Clear-The-Counter Use (21 CFR 801 Subpart G)

**CONTINUE ON A SEPARATE PAGE IF NEEDED.**

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The voluntary certification mark with the statement "Type tested" is issued for products and components. The certification mark demonstrates that the

Familiar from household tools and toys, the certification mark indicates that a product is safe according to

<b>Q5 055298 0020 Rev. 02</b>	
Type	QM Certificates
Type Name	QM System ISO 13485
Certification Body	TÜV SÜD Product Service GmbH, Ridlerstr. 65, 80339 Munich, Germany
Holder of Certificate	HARTALEGA SDN. BHD. C-G-9, Jalan Dataran SD1 Dataran SD PJU9, Bandar Sri Damansara 52200 Kuala Lumpur MALAYSIA
Product	Gloves
Model(s)	Design and Development, Production and Distribution of Natural Latex and Nitrile Powdered, Powder-Free Non-Sterile and Sterile Examination Gloves and Sterile Surgical Gloves
Date	14.04.2020
Status	Valid

<b>Q5 055298 0020 Rev. 02</b>	
Nr.	Q5 055298 0020 Rev. 02
Typ	QM Certificates
Name des Typs	QM System ISO 13485
Zertifizierstelle	TÜV SÜD Product Service GmbH, Ridlerstr. 65, 80339 München, Deutschland
Zertifizierungsinhaber	HARTALEGA SDN. BHD. C-G-9, Jalan Dataran SD1 Dataran SD PJU9, Bandar Sri Damansara 52200 Kuala Lumpur MALAYSIA
Produkt	Handschuhe
Modell(e)	Design and Development, Production and Distribution of Natural Latex and Nitrile Powdered, Powder-Free Non-Sterile and Sterile Examination Gloves and Sterile Surgical Gloves
Ausstelldatum	14.04.2020
Status	Valid



