

# TECHNICAL BULLETIN

## GOJO® HAND MEDIC® Professional Skin Conditioner

### Technical Data

INDICATIONS: Skin conditioner that Moisturizes and conditions hardworking hands.

DIRECTIONS: Rub a small amount into clean dry hands. Apply before work and use 3-4 times daily. For best results, also apply at night.

### Physical Properties

Appearance: **White Opaque**

Fragrance: **Fragrance Free**

Form: **Lotion**

pH: **3.0-5.0**

### Ingredients

| INCI Name*                       | Ingredient Class  |
|----------------------------------|---|
| Water (Aqua)                     | Carrier   |
| Petrolatum                       | Skin Conditioning Agent   |
| Glyceryl Stearate                | Skin Conditioning Agent, Emollient, Surfactant, Emulsifying Agent |
| Aluminum Starch Octenylsuccinate | Viscosity Increasing Agent  |
| Cetyl Alcohol                    | Emollient   |
| C12-15 Alkyl Benzoate            | Skin Conditioning Agent   |
| Glycerin                         | Skin Conditioning Agent, Humectant                                |
| Dicetyldimonium Chloride         | Skin Conditioning Agent   |
| PEG-4                            | Solvent   |
| PEG-40 Stearate                  | Surfactant  |
| Propylene Glycol                 | Skin Conditioning Agent, Humectant                                |
| Benzalkonium Chloride            | Preservative  |
| Iodopropynyl Butylcarbamate      | Preservative  |
| Phenoxyethanol                   | Preservative  |

\*International Nomenclature Cosmetic Ingredient

## **Irritancy Data and Allergy Test Results**

### **21 Day Cumulative Irritancy Assay with Delayed Challenge**

**Objective:** Evaluation of skin irritation potential in humans.

**Description of Test:** 21 Day Cumulative Irritancy Assay Followed by a Challenge Procedure. Fresh materials are applied daily, 6 days per week, for 21 days to the same site (patches were not moved or reapplied on Sunday).

**Independent Laboratory:** RCTS, Inc., Irving, TX, USA

**Date:** 21 June, 2012

**Results:** CIT Average Score = 0.16 (scale 0 – 4; Baby Oil = 0.18)  
Challenge Phase: Non-sensitizing

**Conclusions:** Product has a low potential for skin irritation and allergic contact dermatitis.

## **Food Taint Test Results**

### **EN 4120 Food Taint**

**Objective:** Determine whether test product has potential to taint when exposed to food via hands treated with the test product.

**Description of Test:** The chocolate handling method was used for this test. 0.7mL of test product was applied directly to Technician's hands and then the food (chocolate) was handled three times following a standardized chocolate handling protocol (direct contact with food). Control (untreated) samples were prepared in the same way but using clean hands only, omitting the application of test product.

Trained assessors then evaluated the samples. Half received two control and one test and the other half received one control and two test, in varying order of presentation. They performed a pallet cleanse between tasting each sample in the presented order and were asked to select the different sample and describe the differences perceived.

**Independent Laboratory:** Campden BRI, Gloucestershire, UK

**Study Number:** 1274721

**Date:** 6 August 2012

**Results:** Confirmed with 95% confidence that greater than 30% of assessors detected a difference between the test and control samples.

**Conclusions:** Samples handled by hands treated with the test product are similar to samples handled with clean hands.

# Compatibility Test Results

## Glove Compatibility

**Objective:** Determine the effect of product on Surgical Gloves including latex, vinyl, and nitrile surgical gloves.

**Description of Test:** ASTM D5151-99  
Glove samples were immersed in product for a period of 2 hours and then examined for leaks. The control samples were not exposed to product.

Control: 100 each of latex, vinyl, and nitrile surgical gloves.  
Test product: 100 each of latex, vinyl, and nitrile surgical gloves.

**Independent Lab:** Smithers Scientific Services, Inc.

**Study Number:** F28308JE

**Date:** 2 June 2014

**Results:**

| Glove type | Control with leaks | Test with leaks |
|------------|--------------------|-----------------|
| Nitrile    | 4 gloves           | 3 gloves        |
| Latex      | 0 gloves           | 0 gloves        |
| Vinyl      | 2 gloves           | 2 gloves        |

**Conclusion:** The test product does not impact the integrity of latex, vinyl or nitrile surgical gloves.