



**MATERIAL SAFETY DATA SHEET**  
**1563 “DR. GLOVE”**  
**FOAM GLOVE CONDITIONER**

**1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

<b>FRANKLIN SPORTS, INC.</b> 17 Campanelli Parkway P. O. Box 508 Stoughton, MA 02072-0508	<b>TELEPHONE NO.:</b>  (800) 225-8647 8:00 A.M – 5:00 P.M.
<b>TRADE NAME:</b> 1563 “DR. GLOVE” FOAM GLOVE CONDITIONER	<b>MSDS NUMBER:</b> F-1001
<b>CHEMICAL NAME:</b> Mixture of Water, Leather Conditioners, and Hydrocarbon Propellants	<b>SYNONYMS:</b> None
<b>PREPARED BY:</b> Clayton Group Services, Inc.	<b>DATE OF ISSUE:</b> 03/31/04 <b>DATE OF LATEST REVISION:</b> -----

**2. INGREDIENTS**

<u>Component</u>	<u>CAS #</u>	<u>Percent</u>	<u>ACGIH TLV<sup>1</sup></u>	<u>OSHA PEL<sup>2</sup></u>
Water	7732-18-5	60 - 90	Not Est.	Not Est.
Dipropylene Glycol	110-98-5	5 - 25	Not Est.	Not Est.
Lanolin Oil	70321-63-0	2 - 8	Not Est.	Not Est.
Isopropyl Myristate	110-27-0	2 - 8	Not Est.	Not Est.
Mixture of Stearic, Palmitic, and Myristic Acids	57-11-4 57-10-3 554-63-8	1 - 7	Not Est.	Not Est.
Proprietary Essential Oil	Not Est.	1 - 5	Not Est.	Not Est.
Triethanolamine	102-71-6	1 - 3	5 mg/m <sup>3</sup> TWA <sup>3</sup>	Not Est.
Sweetened, Liquified Petroleum Gas Propellant – Propane and Iso-butane <sup>4</sup>	68476-86-8	1 – 7	2500 ppm TWA	1000 ppm TWA

<sup>1</sup> American Conference of Governmental Industrial Hygienists Threshold Limit Value

<sup>2</sup> Occupational Safety and Health Administration Permissible Exposure Limit

<sup>3</sup> 8-hour Time Weighted Average

<sup>4</sup> TLV and PEL are for Propane. No TLV or PEL has been established for isobutane. The National Institute for Occupational Safety and Health (NIOSH) has established a Recommended Exposure Limit (REL) for isobutene of 800 ppm as an 8-hour.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

The product is a clear to slightly yellow liquid that is under pressure, in aerosol cans. A mixture of propane and isobutene (both flammable gases) serves as the propellant. Under normal use the product is released from aerosol can as a foam. The product is released from aerosol container as a foam that can be irritating to the eyes, mucous membranes, and gastrointestinal tract. Undamaged containers of product that have been released should be picked up and returned to original packaging. The propellant released from damaged containers is a flammable gas mixture of propane and isobutene. Damaged containers should be placed in appropriate containers for disposal. Liquid from damaged containers should be absorbed with a sorbent suitable for aqueous materials or diked to prevent spread with earth, sand, or other non-reactive material. Remove all sources of ignition and handle all leaking or damaged containers with non-sparking tools. Containers of product in or near fires should be cooled with a water stream of fog, if compatible with the other materials involved, to prevent rupture of the containers. Wear appropriate personal protective equipment and keep unnecessary individuals up wind of the area. Any wastes generated during cleanup operations should be evaluated with respect to hazardous and solid waste regulations and disposed of in a properly permitted facility in accordance with all local, state, and federal regulations.

#### POTENTIAL HEALTH EFFECTS:

Eye: Product foam may cause irritation.

Skin Contact: Short-term contact with product foam is not expected to present a potential problem. Prolonged contact may cause irritation.

Skin Absorption: Not expected to be a route of entry into the body.

Ingestion: Not expected to be a major route of entry. Ingestion of large quantities of product foam may cause gastrointestinal distress.

Inhalation: Significant amounts of vapors or aerosols are not expected to be generated under normal and expected conditions of use. If, however, significant concentrations of vapors or aerosols are generated, they may cause irritation of the mouth, throat, mucous membranes, and respiratory tract.

Chronic & Carcinogenicity: Prolonged dermal contact with the product may possibly aggravate pre-existing skin conditions. No long term health effects are known for the product. OSHA, the ACGIH, the NTP, or the IARC has not identified the components of the product as carcinogens of potential carcinogens.

### 4. FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air. If breathing is difficult, oxygen may be administered. If breathing has stopped, artificial respiration should be started immediately. Seek medical attention.

Eyes: Flush with tepid water for at least 20 minutes holding the eyelids wide open. Seek medical attention if irritation develops.

Skin: Wash thoroughly with mild soap and water. Seek medical attention if irritation develops. Remove any contaminated clothing and launder thoroughly before reuse.

Ingestion: Not expected to be an important route of entry into the body. Ingestion of large amounts of particulate matter may cause gastrointestinal distress. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT:** N.A.

**LEL:** N.A.

**UEL:** N.A.

**AUTO IGN. TEMP:** N.A.

The product is a non-flammable, aqueous liquid in aerosol containers. The propellant is flammable liquefied petroleum gas mixture (propane and isobutene) that can be released if containers are damaged or ruptured. Use water, dry chemical, or carbon dioxide to extinguish fires involving product propellant. Product in or near fires should be cooled with a water spray or fog if compatible with the other materials involved in the fire to prevent rupture of containers. A self-contained breathing apparatus (SCBA) operating in the positive pressure mode and full fire fighting protective clothing should be worn for combating fires.

## 6. ACCIDENTAL RELEASE MEASURES

Pick up product containers and return to original packaging if reusable. If not reusable, place in approved containers for proper disposal. Ruptured containers should be allowed to off-gas propellant before handling and keep unnecessary individuals upwind and out of the area. Wear appropriate personal protective equipment. Any wastes generated during cleanup operations should be evaluated with respect to hazardous and solid waste regulations and disposed of in a properly permitted facility in accordance with all local, state, and federal regulations.

## 7. HANDLING AND STORAGE

Based upon calculation of the chemical heat of combustion for aerosol products per the 2002 Edition of NFPA 30B, the product is classified as a Level 1 Aerosol Product. Store product at temperatures between 35° F and 120° F. Higher storage temperatures may cause containers to rupture

## 8. EXPOSURE CONTROL - PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Not generally required. If significant vapors or aerosols are generated during use, the need for local exhaust ventilation (LEV) should be evaluated by a professional industrial hygienist. Design details for local exhaust ventilation systems may be found in the latest edition of "*Industrial Ventilation: A Manual of Recommended Practice*", published by the ACGIH Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48910. A professional engineer should design local exhaust ventilation systems.

**RESPIRATORY PROTECTION:** Respiratory protection is not normally required. If significant amounts of vapors or aerosols are generated during use, the operation should be evaluated by a professional industrial hygienist to determine the need for respiratory protection.

**EYE PROTECTION:** Where eye contact is possible with product safety glasses with side shields are recommended. Protective goggles may also be worn for added eye protection.

**SKIN PROTECTION:** Where prolonged skin contact may occur, elastomeric gloves are recommended to prevent irritation. Latex gloves are not recommended due to potential sensitization.

**GENERAL:** All soiled or dirty clothing and personal protective equipment should be either thoroughly cleaned before reuse or properly disposed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE & PHYSICAL STATE:** Aerosol  
Container with a clear to slightly yellow liquid

**MELTING POINT:** N.D.

**VAPOR DENSITY (AIR=1):** N.D.

**OCTANOL/WATER PARTITION COEFFICIENT:** N.D.

**VAPOR PRESSURE:** Propellant ~ 3 Atm.  
Liquid ~ 18 mm Hg.

**EVAPORATION RATE (BUTYL ACETATE = 1):** N.D

**ODOR:** Slight Hydrocarbon

**SPECIFIC GRAVITY/BULK DENSITY:** Liquid ~0.95

**% VOLATILE BY VOLUME:** ~ 90

**BOILING POINT:** N.D.

**% SOLUBILITY (H<sub>2</sub>O):** ~ 82

**pH:** N.D.

## 10. STABILITY AND REACTIVITY

**STABILITY & POLYMERIZATION:** Product is stable. Hazardous polymerization will not occur.

**INCOMPATIBILITY (CONDITIONS TO AVOID):** Avoid contact with strong oxidizing agents. Do not store at temperatures in excess of 120° F.

**HAZARDOUS DECOMPOSITION PRODUCTS:** After the water (the major component) has evaporated, thermal decomposition may produce dense smoke, oxides of carbon and nitrogen, ammonia, and low molecular weight organic species whose composition and toxicity has not been characterized.

**SPECIAL SENSITIVITY:** None that are known.

## 11. TOXICOLOGICAL INFORMATION

The major components of the product have a low order of acute toxicity. The LD<sub>50</sub> in rats for the primary components is in excess of 10 g/kg of body weight. This indicates that the average human would have to ingest in excess of approximately 4 to 5 liters [80 to 100 standard 1.75 ounce containers] of product to have a significant toxic effect.

## 12. ECOLOGICAL INFORMATION

Detailed studies have not been conducted concerning the environmental fate of the product. It is not expected that it would present a potential risk to aquatic and terrestrial flora and fauna. However, prudent practice would dictate that the product not be released to the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state, and federal regulations. Empty containers may contain residual propellant the may be explosive. Do not cut, puncture, or weld nearby. Do not allow empty containers to be used for any purpose except to store and ship original product. Do not incinerate empty containers as they can explode violently.

## 14. TRANSPORTATION INFORMATION

DOT Classification: Consumer Commodity; ORM D.

## 15. REGULATORY INFORMATION

OSHA Hazard Communication Classification for product: Irritant.

SARA Title III Classification for product: Acute Health Hazard.

WHMIS Classification: Class A – Compressed Gas

TSCA: All components of the product are included in the Toxic Substances Control Act (TSCA) inventory.

## 16. OTHER INFORMATION

Not Est. = Not Established; N.A. = Not Applicable; N.D. = Not Determined

HMIS Classifications: Health = 1; Fire = 0; Reactivity = 0

**Notice From Franklin Sports, Inc.** The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The opinions expressed herein are those of qualified experts within Franklin Sports, Inc. We believe that the information contained herein is current as of the date of issue of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Franklin Sports, Inc., it is the users obligation to determine conditions of safe use of the product.

**Franklin Sports, Inc. requests the users of this product study this Material Safety Data Sheet and become aware of product hazards and safety information. To promote safe use of this product, users should notify their employees, agents, and contractors of the information on this Material Safety Data Sheet and any product hazards and safety information.**

