



Date:
Supercedes:

26 October 2011
15 June 2011

MATERIAL SAFETY DATA SHEET

IN CASE OF EMERGENCY CALL CHEMTREC AT 1-800-424-9300

1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION:

Product Name: **PURELL® Advanced Instant Hand Sanitizer Foam**

Company Name & Address: GOJO Industries, Inc.
One GOJO Plaza, Suite 500
Akron, OH 44311

Emergency Phone: **1-800-424-9300 CHEMTREC**

Non-Emergency Phone: (330) 255-6000

MSDS Request Phone: (330) 255-6000 x8804

2. INFORMATION ON INGREDIENTS:

HAZARDOUS INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	% RANGE
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	70
Isopropanol	67-63-0	400 ppm	200 ppm	<5

Other ingredient(s) with notification requirements:	CAS NUMBER	List
Ethyl Alcohol	64-17-5	MA 1; NJ 1S; PA 1; CN 2
Isopropanol	67-63-0	MA 1; NJ 1S; PA; CN

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long-term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention.

Potential Health Effects:

HMIS: Health 2 Flammability 3 Reactivity 0 Personal Protection None

Eye Contact: May cause eye irritation.
Skin Contact: No irritation or reaction expected.
Inhalation: Not applicable.
Ingestion: May cause upset stomach, nausea (Abnormal entry route).
Carcinogenicity: Not listed as a carcinogen by NTP, IARC, OSHA or ACGIH.

4. FIRST AID MEASURES:

Eye Contact: Do not rub eyes. Flush eyes thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact physician.
Skin Contact: Not applicable.
Inhalation: Not applicable.
Ingestion: Do not induce vomiting. Contact a physician or Poison Control Center.

5. FIRE FIGHTING MEASURES:

NFPA: Health 2 Fire 3 Reactivity 0
Flashpoint °F/°C (PMCC method): 80.6°F/ 27°C
Unusual Fire and Explosion Hazards: Product is flammable due to alcohol content.
Special Fire Fighting Procedures: None known.
Extinguishing Media: X Water Fog X Alcohol Foam X CO₂ X Dry Chemical Other

6. ACCIDENTAL RELEASE MEASURES:

Avoid contact with ignition sources since product is flammable. Absorb onto inert material and dispose in appropriate manner. Water clean up and rinse. CAUTION – WILL CAUSE SLIPPERY SURFACES.

7. HANDLING AND STORAGE:

Keep away from fire or flame. Store at normal room temperature away from reach of small children. Keep containers sealed. Use older containers first. Avoid freezing conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Eye Protection: None required under normal conditions.
Skin Protection: None required under normal conditions.
Respiratory Protection: None required under normal conditions.
Ventilation: None required under normal conditions.
Protective Equipment or Clothing: None required under normal conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance and Odor Clear liquid, fruity fragrance
pH (undiluted): 6 - 9
VOC, %: < 75

10. STABILITY AND REACTIVITY:

Stable/Non reactive product. Avoid ignition sources.

11. TOXICOLOGICAL INFORMATION:

No acute or chronic toxic effects expected when used according to directions.

12. ECOLOGICAL CONSIDERATIONS:

No ecological or special considerations when used according to directions. Not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, septic systems and treatment plants.

13. DISPOSAL CONSIDERATIONS:

Characteristic hazardous waste-flammable liquid. Dispose according to local, state and Federal regulations.

14. TRANSPORT INFORMATION:

Hazardous by transport regulations. When transported by ground modes in the U.S., this product is typically shipped as Consumer Commodity ORM-D. When transported by water, this product is typically shipped as a UN1170 in Limited Quantities. Refer to all current transport regulations for exact requirements.

15. REGULATORY AND OTHER INFORMATION:

TSCA: All ingredients are listed or exempt per reference 15 USC 2602 (2)(B)(vi).
Complies with current FDA regulations for cosmetic and/or over-the-counter drug products.
WHMIS: Exempt under the Food and Drug Act

Notice: The information herein is based on data considered to be accurate as of the date of preparation of this material safety data sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

MATERIAL SAFETY DATA SHEET

DYNAMIC RESEARCH CO., INC.
4800 SW MEADOWS Ste 300
LAKE OSWEGO, OR 97035

Rating Scale:

0=Insignificant
1=Slight
2=Moderate
3=High
4=Extreme

HMIS

1 HEALTH
0 FLAMMABILITY
0 REACTIVE
None OTHER

NFPA

1
0
0
None

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER (As it appears on label)

Original SAF-T-STEP

EMERGENCY INFORMATION:

(24-HOUR MEDICAL EMERGENCY) 1-503-494-8616
(GENERAL INFORMATION) 1-503-699-1335

CHEMICAL OR COMMON NAME:

Hard Water Stain Remover

DATE ISSUED: 12-11-2011

SUPERSEDES: : 02-01-2010

SECTION 2 - INGREDIENT INFORMATION

<u>CAS #</u>	<u>WT. %</u>	<u>CHEMICAL NAMES</u>	<u>EXPOSURE LIMIT</u>
Proprietary	0-10	Surfactants	ND
5329-14-6	0 - 8	Sulfamic Acid	ND * **
77-92-9	0 - 5	Citric acid	ND
034590-94-8	0 - 3	Dipropylene glycol monomethyl ether	100ppm ACGIH (TWA) 150ppm ACGIH (STEL)

Balance is water, coloring, fragrance, & similar non-hazardous ingredients.

*ACGIH TLV-TWA

** OSHA PEL

***Supplier supplied

There are no ingredients in this product that are currently reportable in either SARA Title III: Section 313, 40 CFR part 372.

SECTION 3 - HEALTH HAZARD INFORMATIONPRIMARY ROUTES OF ENTRY: EYES: X SKIN: X INGESTION: INHALATION:

SIGNS AND SYMPTOMS:

EYES: Direct contact with eyes can cause irritation. Prolonged or repeated contact with eye may cause irritation, burns, or redness

SKIN: Direct contact with skin can cause irritation, or redness

INHALATION: Inhalation of mist or vapor may cause cause irritation of nose, throat, & lungs.

INGESTION: Harmful if swallowed; May cause gastrointestinal irritation and diarrhea.

SECTION 4 - FIRST AID MEASURES

EYES: Immediately flush with water for at least 15 minutes, remove contact lenses. Seek medical aid.

SKIN: Immediately flush with water for at least 15 minutes, If pain, irritation or redness persists, seek medical aid.

INGESTION: If swallowed, do not induce vomiting. Immediately drink 2 glasses of milk or water. Do not give unconscious victim large amounts of milk or water. Seek medical aid.

INHALATION: Remove to fresh air immediately. Seek medical attention if breathing difficulty persists.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT: None (ASTM D92)

FLAMMABLE LIMITS: LOWER: NA UPPER: NA

EXTINGUISHING MEDIA: ☒ FOAM ☒ CO2 ☒ DRY CHEMICAL ☒ WATER FOG ☐ OTHERSPECIAL FIRE FIGHTING PROCEDURES: Normal fire fighting procedures may be used.
Use extinguishing media appropriate for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No special hazards known. Heat of fire may melt containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Personal Precautions:** Put on appropriate personal protection equipment (see Section 8)**Environmental Precautions and Clean Up Methods:** Absorb with diatomaceous earth or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Follow all Federal, State and Local regulations.

SECTION 7 - HANDLING and STORAGE**HANDLING :** Do not taste or swallow. Avoid contact with skin or eyes. Wash thoroughly after handling product. FOR COMMERCIAL AND INDUSTRIAL USE**STORAGE:** Do not store near heat or flame (containers may melt). Keep from freezing (containers may rupture). Empty containers may contain small amounts of undiluted product. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

ENGINEERING CONTROLS: No special requirements. General room ventilation is adequate.

HANDS: No special requirement under normal use conditions.

EYES: No special requirement under normal use conditions..

RESPIRATORY PROTECTION: No special requirement under normal use conditions.

FEET: No special requirement under normal use conditions

BODY: No special requirement under normal use conditions

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Launder contaminated equipment before reuse.

SECTION 9 - PHYSICAL DATA

BOILING POINT	212 F	SPECIFIC GRAVITY (H2O=1)	1.03
FREEZING POINT	ND	PERCENT VOLATILE BY VOLUME	87%
SOLUBILITY IN WATER	Complete	VAPOR PRESSURE (mm Hg)	NA
pH (undiluted)	3.5 - 3.7	EVAPORATION RATE (Butyl Ac=100)	NA
APPEARANCE & ODOR	Blue-green liquid, mild odor		

SECTION 10 - STABILITY and REACTIVITYSTABILITY: STABLE ☒ UNSTABLE ☐ CONDITIONS TO AVOID NAINCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalis, bleach, cyanides, sulfides, or chlorine compounds of any kind.
Do not mix with other chemicals or cleaners.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR ☒

SECTION 11 – TOXICOLOGICAL INFORMATION

Oral: LD50 Estimated to be greater than 4000 mg/kg (rat); Dermal: LD50 Estimated to be greater than 4000 mg/kg (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATION

WASTE DISPOSAL INFORMATION: No special method. Observe all applicable Federal, State and Local regulations, rules and /or ordinances regarding disposal of non-hazardous material.

SECTION 14- DOT AND TRANSPORTATION INFORMATION

DOT CLASS:	Non-hazardous	Class 55	DOT#: NA
SHIPPING NAME:	Cleaning, Scouring or Washing Compounds, NOI Liquid		
SPECIAL INFORMATION:	Not regulated as a hazardous material by DOT or IMO.		

SECTION 15 - REGULATORY AND ECOLOGICAL INFORMATION

Reporting in this section is based upon ingredients disclosed on Section 2

This product is not subject to the reporting requirements under California Proposition 65

PHOSPHATE CONTENT:	None
ARE ALL THE ORGANIC INGREDIENTS IN THIS PRODUCT BIODEGRADABLE?:	Yes
ARE ALL THE INGREDIENTS IN THIS PRODUCT LISTED ON THE TSCA LISTS?:	Yes
INGREDIENTS LISTED AS CARCINOGENS ON NTP, IARC, or OSHA LISTS?:	No

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

FEDERAL

SARA 302/304/311/312 hazardous chemicals: Dipropylene Glycol Monomethyl Ether,
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Dipropylene Glycol Monomethyl Ether,
SARA 313 toxic chemical notification and release reporting:
CERCLA: Hazardous substances.: Dipropylene Glycol Monomethyl Ether

STATE

New Jersey RTK: Dipropylene Glycol Monomethyl Ether, Sulfamic acid
Pennsylvania RTK: Dipropylene Glycol Monomethyl Ether,
Massachusetts RTK: Dipropylene Glycol Monomethyl Ether,
Rhode Island RTK: Dipropylene Glycol Monomethyl Ether,
Minnesota RTK: Dipropylene Glycol Monomethyl Ether

CEPA - Domestic Substances List (DSL)

All substances in this product are listed on the Domestic Substances List of Canada (DSL) or are not required to be on the list.

ABBREVIATIONS: NA=Not Applicable NSR=No Special Requirement ND=Not Determined

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