

MATERIAL SAFETY DATA SHEET**NFPA RATING:** Health = 1 Flammability = 0 Reactivity = 0**HMIS RATING:** Health = 1 Flammability = 0 Reactivity = 0***SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION** *(11SAM1173B)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** MANDARIN CRANBERRY
PREMIUM FOAM SOAP**Address:** 302 North Fourth Street
St. Joseph, MO 64501**Date Prepared:** July 12, 2013 (version 6)**Prepared by:** Regulatory Affairs Department**Emergency Telephone No.:** (800)-424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.) **Other information calls:** (816) 233-1321(Ext. 8285)<http://www.hillyard.com>***SECTION II -- INGREDIENTS/IDENTITY INFORMATION**

Components			ACGIH	OTHER LIMITS	
Specific Chemical Identity:	CAS#	OSHA PEL	TLV	RECOMMENDED	%
Common Name(s)					
Water	7732-18-5	None	None	N/A	---
Mild Anionic Surfactant mixture (Sodium Lauryl Sulfoacetate)	1847-58-1	None	None	N/A	16-20
Propanediol	504-63-2	None	None	N/A	2-5
Sodium Lauriminodipropionate	14960-60-6	None	None	N/A	5-10
Fragrance	unknown	None	None	N/A	<0.3
*VOC = 0% N/A= Not Applicable N/E= Not Established					

***SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS**

*Boiling Point: corrected.	213°F	*Specific Gravity (H2O = 1): 25°C =	1.03	*Density=	8.56 lbs/gal
Vapor Pressure (mm Hg.):	17.38	Percent Volatile by Weight (%):	89 - 92%		
Vapor Density (AIR = 1):	0.71	Evaporation Rate (ethyl ether = 1):	Less than 1		
Solubility in Water :	Complete	Appearance and Odor:	Clear orange to red liquid;		
pH:	6.0 – 7.0		Fragrance added-Mandarin Cranberry		

***SECTION IV -- FIRE AND EXPLOSION HAZARD DATA**

*Flash point: None to 200°F (TCC)	Flammable Limits: LEL =	N/A	UEL =	N/A
Extinguishing Media: Water				
Special Fire Fighting Procedures: None				
Unusual Fire and Explosion Hazards: None known by manufacturer				

SECTION V -- PHYSICAL HAZARDS

Stability: Stable	Conditions to Avoid:	N/A
Incompatibility (Materials to Avoid): None of which we have knowledge		
Hazardous Decomposition Products or Byproducts: None		
Hazardous Polymerization: Will not occur	Conditions to Avoid:	N/A

SECTION VI -- HEALTH HAZARD DATA**Routes of entry:** Inhalation? No Skin? No Ingestion? No**HEALTH HAZARDS (1. Acute and 2. Chronic)**

1. According to Eye Irritation Test (FHSA), product concentrate is an eye irritant. Prolonged overexposure to concentrate without thorough water rinse may cause eye irritation. According to Primary Skin Irritation Test (FHSA), product concentrate is not a primary skin irritant. Product concentrate was not acutely toxic to laboratory animals following oral administration at 5g/kg. 2. None known by Hillyard Industries.

Chemical listed as Carcinogen or Potential Carcinogen:**National Toxicology Program =** No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

SECTION VI -- HEALTH HAZARD DATA cont.**Signs and Symptoms of Exposure:** N/A**Medical Conditions Generally Aggravated by Exposure:** None known**Emergency and First Aid Procedures:** Eye contact with concentrate: Flush eyes with plenty of water for 15 minutes; call physician.**SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE****Steps To Be Taken In Case Material Is Released Or Spilled:** Rinse area with water and pick up with wet vac or mop.**Waste Disposal Method:** Normal sewage disposal**Precautions To Be Taken In Handling And Storing:** N/A**Other Precautions:** This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR part 372.**SECTION VIII -- CONTROL MEASURES:****Respiratory Protection (Specify Type):** N/A**Ventilation:****Local Exhaust =** N/A **Mechanical (General) =** N/A **Special =** N/A **Other =** N/A**Protective Gloves:** N/A **Eye Protection:** N/A**Other Protective Clothing or Equipment:** Not needed**Work / Hygienic Practices:** Rinse cleaner off skin with water.**SECTION IX - TRANSPORTATION INFORMATION:****Applicable Regulations:** DOT = No; IMCO = No; IATA = No.**Proper shipping name:** Cleaning compound**UN NO.:** not applicable**Limited Qty.:** not applicable**Hazard Class:** not applicable**Labels required:** not required **DOT Exception:** not applicable**EPA Hazardous waste number/code:** not listed**Hazardous waste characteristics:****Ignitability =** not applicable; **Corrosivity =** not applicable; **Reactivity =** not applicable**DISCLAIMER OF WARRANTIES**

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