

HILLYARD INDUSTRIES, INC.  
 302 NORTH FOURTH STREET  
 ST. JOSEPH, MO 64501  
 1-816-233-1321 EXT. 8285  
<http://www.hillyard.com>

HIL0036300, HIL0036303

EMERGENCY PHONE: 1-800-424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)

HMIS RATING	
Health	1
Flammability	0
Reactivity	0
Personal Protection	NA

1. PRODUCT NAME: HILLYARD WHD PLUS HAND SOAP

2. HAZARDOUS (OR OTHER) INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	% RANGE
Mineral Oil (as mist)	8042-47-5	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	>40
Silica	93763-70-3	NA	TWA: 10 mg/m <sup>3</sup>	<5
Sodium Hydroxide	1310-73-2	TWA: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	<3
Ethanolamine	141-43-5	TWA: 3 ppm STEL: 6 ppm	TWA: 3ppm STEL: 6 ppm	<1

Phosphoric Acid	7664-38-2	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	<1
(Propylene Glycol)(Canada: CN1)	57-55-6	NA	NA	<3

OSHA STANDARDS AND SARA TITLE III DO NOT APPLY TO THIS COSMETIC PRODUCT. COSMETICS AND UNLISTED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS OR REPORTABLE BY ANY FEDERAL (OSHA, WHMIS, SARA, EPCRA, RCRA), ANY STATE OR ANY OTHER RIGHT-TO-KNOW REGULATIONS.

3. HEALTH HAZARD DATA: THIS SKIN CARE COSMETIC IS NOT HAZARDOUS OR TOXIC UNDER NORMAL USE CONDITIONS.

ROUTES OF ENTRY:  Inhalation  Skin  Eye  Ingestion

CARCINOGENICITY:  Not Listed  NTP  IARC  OSHA  ACGIH

OVEREXPOSURE: Medical Conditions Aggravated: **None known** Potential Effects: **May cause eye irritation**

4. EMERGENCY AND FIRST AID PROCEDURES: **EYE CONTACT: Flush immediately and thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact a physician. INGESTION: DO NOT INDUCE VOMITING. If vomiting occurs, lower the person's head below their knees to avoid aspiration. Contact physician or poison control centre.**

5. FIRE FIGHTING OR EXPLOSION DATA:	Flash Point, °F/°C: <b>&gt;201/94</b> (PMCC Method)	Flammability LEL, % <b>NA</b> Limits: UEL, % <b>NA</b>
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EXTINGUISHING MEDIA:  Water Fog  Alcohol Foam  CO<sub>2</sub>  Dry Chemical  Other

Unusual Fire and Explosion Hazards: **None known** NFPA 704 Rating: 0 0 0 **NA**

Special Fire Fighting Procedures: **None known**

6. ACCIDENTAL RELEASE MEASURES: NOT REPORTABLE UNDER CERCLA OR SARA TITLE III SECTION 304.

IF MATERIAL IS RELEASED OR SPILLED: **Pick up large spills or absorb on inert material. Collect in sealed approved container for disposal. Flush area with water to clean up small amounts and reduce possible slippery floor hazard.**

7. PRECAUTIONS FOR SAFE HANDLING AND USE: STORE AWAY FROM THE REACH OF SMALL CHILDREN.

PERSONAL PRECAUTIONS: **Avoid contact with the eyes. Do not take internally.**

STORAGE AND OTHER PRECAUTIONS: **Store at ambient indoor conditions. Keep containers sealed.**

8. CONTROL AND PROTECTION MEASURES: COMPLY IF APPLICABLE EXPOSURE LIMITS SHOWN IN SECTION 2 ABOVE.

TLV (ACGIH): **Not Applicable** PEL (OSHA): **NA** TWA: **None** STEL: **None** Skin Note: **NA**

VENTILATION: Mechanical: **Not required if used as directed** Local: **Not Required** Special: **Not Required**

PERSONAL PROTECTION: Respiratory: **Not required if used as directed** Eyes: **Not Required** Skin: **Not Required**

Protective Equipment or Clothing: **Not Required** Work/Hygienic Practice: **Routine personal hygiene**

**HILLYARD WHD PLUS HAND SOAP****9. PHYSICAL AND CHEMICAL CHARACTERISTICS**

Boiling Point, °F/°C:	ND	Melting Point, °F/°C:	ND
Vapor Pressure (mm Hg):	25	Specific Gravity (H <sub>2</sub> O =1):	0.9
Vapor Density (Air =1):	0.6	Evaporation Rate (H <sub>2</sub> O =1):	<1
Volatility, %	>65 (35 VOC)	pH (undiluted):	8.0 - 8.8
Solubility in Water:	>45% emulsifies	Viscosity, cps:	14,000 - 25,000
Color/Clarity/Form & Odor:	Opaque emerald liquid, citrus oil fragrance.		

**10. STABILITY AND REACTIVITY DATA**

Stability:	<b>Stable</b>	Hazardous Polymerization:	<b>None known</b>	Conditions to Avoid:	<b>None known</b>
Incompatibility (Avoid):	<b>None known</b>	Decomposition or By-Products:	<b>Combustion may produce CO, CO<sub>2</sub>, NO<sub>x</sub></b>		

**11. TOXICOLOGICAL INFORMATION: NO ACUTE TOXIC EFFECTS EXPECTED BY INHALATION, INGESTION, OR CONTACT DURING ANTICIPATED HANDLING AND USAGE. NO LONG TERM CHRONIC EFFECTS.**

ALSO SEE SECTION 3

Irritant:	<b>Not a primary irritant</b>	Sensitization:	<b>None known</b>	Synergism:	<b>None known</b>
Skin LD50:	<b>NA</b>	Oral LD50:	<b>ND</b>	Inhalation LC50:	<b>NA</b>

**12. ECOLOGICAL INFORMATION: NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS. NOT CONSIDERED ENVIRONMENTALLY HARMFUL FROM NORMAL DILUTION, EXPECTED USAGE AND TYPICAL DRAINAGE TO SEWERS, SEPTIC SYSTEMS, AND TREATMENT PLANTS.**

POTENTIAL: Biodegradation:	<b>ND</b>	Oxygen Depletion:	<b>ND</b>	Bioconcentration:	<b>ND</b>
AFFECTS: Aquatic Organisms:	<b>ND</b>	Waste Plant Microbes:	<b>ND</b>	BOD: <b>NE</b>	COD: <b>NE</b>

**13. DISPOSAL GUIDELINES: DISPOSE ACCORDING TO LOCAL, STATE/PROVINCE, FEDERAL & INTERNATIONAL REGULATIONS. NOT A CHARACTERISTIC HAZARDOUS OR LISTED WASTE BY USEPA & RCRA (40CFR PART 261).****14. TRANSPORT REGULATIONS: NOT HAZARDOUS BY DOT, HM-181, TDG, IATA, & IMO REGULATIONS.**

Shipping Class:	<b>Not regulated as hazardous</b>	Label:	<b>NA</b>	UN/NA/PIN:	<b>NA</b>
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**15. REGULATORY CONSIDERATIONS: NOT REGULATED BY DOT, OSHA, WHMIS, TSCA, SARA, OR STATES.**

COSMETICS & INGREDIENTS ARE NOT CONSIDERED HAZARDOUS OR REPORTABLE BY ANY FEDERAL (TSCA, OSHA, WHMIS, SARA, CERCLA, EPCRA, RCRA), ANY STATE, OR ANY OTHER RIGHT-TO-KNOW-REGULATIONS. TSCA, OSHA STANDARDS, SARA TITLE III, AND STATE RIGHT-TO-KNOW LAWS MAKE EXCEPTIONS, EXCLUSIONS AND EXEMPTIONS FOR COSMETIC PRODUCTS THAT ARE REGULATED BY AND LABELED ACCORDING TO THE FOOD AND DRUG ADMINISTRATION (FDA).

TSCA, DSL, EINECS: **Components of the product are listed, exempted or excluded from these requirements.**

SARA TITLE III: Sec. 302 EHS, TPQ: **NA** Sec. 304 EHS, RQ: **NA** Sec. 311/312: **NA** Sec. 313: **None**

USA STATE REGULATIONS: Reportable substances present at notification quantities: **NA and None known**

INTERNATIONAL HAZARD CLASS: Canada (WHMIS or TDG): **Not a Controlled Product** EEC: **Not Regulated**

**16. OTHER RELEVANT INFORMATION: NO DATA AVAILABLE UNLESS SPECIFICALLY INDICATED BELOW.**

DATE: **APRIL 19, 2001**

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.

**NA=NOT APPLICABLE, ND=NO DATA, NE=NOT ESTABLISHED. FORM COMPLIES WITH OSHA FORM 174, EEC, & DRAFT ANSI FORMATS.**