

# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet complies with the Canadian Controlled Product Regulations.  
Abbreviations used: N/ap., Not applicable, N/av., Not available, N/est., Not established, TLV, Threshold Limit Value,*

## SECTION 1 - IDENTIFICATION

PRODUCT IDENTIFIER:	<b>ZAAL PINK FOAM HAND SOAP, H-6</b>
PRODUCT USE:	Industrial, Institutional & Household General Purpose Hand Cleaning
SUPPLIER:	<b>Gemini Packaging Limited</b> 150-12071 Jacobson Way, Richmond, British Columbia, Canada, V6W 1L5 Telephone: (604) 278-3455 Emergency Telephone: (604) 813-4688

## SECTION 2 - COMPOSITION

HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS
Sodium laureth sulfate	1.0 – 12.0	68585-34-2	1700 mg/kg (oral/rat)	N/est.	N/est.
Sodium alpha olefin sulfonate	1.0 – 10.0	68439-57-6	500 - 5000 mg/kg (oral/rat)	N/est.	N/est.
Formaldehyde	< 0.05	50-0-0	800 mg/kg (oral/rat)	400 ppm (mice)	200 ppm (skin, ACGIH TLV/TWA)

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**

This product is a neutral cleaning agent

**EFFECTS OF SHORT-TERM (ACUTE) EXPOSURE:**

INHALATION: Product is irritating to the nose, throat and respiratory tract.

SKIN CONTACT; NA

EYE CONTACT: Causes minor eye irritation

INGESTION: This product causes irritation

**EFFECTS OF LONG-TERM (CHRONIC) EXPOSURE:**

Prolonged skin contact may cause dermatitis.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Pre-existing eye, skin, respiratory tract disorders may be aggravated by exposure.

**ZAAL PINK FOAM HAND SOAP, H-6****SECTION 4 - FIRST AID MEASURES**

**INHALATION:** Move victim to fresh air. Give artificial respiration, if indicated. Obtain immediate medical attention.

**SKIN CONTACT:** Remove contaminated clothing, and wash affected area thoroughly with soap and water. If an irritation develops or persists, seek medical attention.

**EYE CONTACT:** Flush contaminated eye(s) with lukewarm, gently flowing water for at least 20 minutes while holding eyelids open. Take care not to contaminate unaffected eye. If irritation persists repeat the flushing process. Do not transport victim until the recommended flushing time has been achieved unless flushing can continue during transport. Obtain immediate medical attention.

**INGESTION:** Never give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing. Rinse mouth thoroughly with cold water and give ½ to 1 glass of water to dilute ingested material. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward, head down, to reduce risk of aspiration. Obtain immediate medical attention.

**GENERAL COMMENTS:** All first-aid procedures should be reviewed by a physician familiar with the product and its conditions of use in the workplace. Physician should treat this symptomatically.

**SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT:	N/ap.	LOWER FLAMMABILITY LIMITS:	N/ap.	SENSITIVITY TO MECHANICAL IMPACT:	Not expected to be sensitive
AUTOIGNITION TEMPERATURE:	N/ap.	UPPER FLAMMABILITY LIMITS:	N/ap.	SENSITIVITY TO STATIC DISCHARGE:	Not expected to be sensitive

**EXTINGUISHING MEDIA:** Use media suitable to control surrounding fire.

**FIRE FIGHTING INSTRUCTIONS:** Fire-exposed containers should be kept cool by spraying water. Spilled material will cause floors and walkways to become slippery. Firefighters must use self-contained breathing apparatus and protective clothing.

**HAZARDOUS COMBUSTION PRODUCTS:** Packagong emits acrid smoke and irritating fumes under high temperature.

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:**

**HEALTH: 0** - Causes temporary and only minor injury, **FLAMMABILITY: 0** – Stable and will not burn unless heated excessively. **REACTIVITY: 0** - Normally stable, but can become unstable at elevated temperatures and pressures. **SPECIFIC HAZARDS:** N/ap.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTION:** Wear protective clothing and gloves.

**ENVIRONMENTAL PRECAUTIONS:** Prevent release into waterways and sewers.

**REMEDATION MEASURES:** For spills, a vacuum is preferred.. If container is leaking, place in overpack immediately to minimize loss to environment. Notify applicable government authority if release is a reportable quantity and could adversely affect the environment.

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**SECTION 7 - HANDLING AND STORAGE**

**HANDLING:** Use good housekeeping practices. Avoid contamination of product with other materials. Use in a well ventilated area.

**STORAGE:** Store away from combustibles and incompatible materials in tightly closed containers. Keep containers in a cool area away from sparks and flames.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Worker exposure to vapor/mist must be kept as low as reasonably achievable.

**RESPIRATORY PROTECTION:** No respiratory protection is warranted under normal use conditions.

**EXPOSURE LIMITS:** See Section 2.

**SKIN PROTECTION:** Wear resistant gloves and work clothes covering arms and legs.

**EYE AND FACE PROTECTION:** Use chemical safety goggles.

**OTHER:** Emergency showers and eye-wash stations should be readily available.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Pink clear liquid	MELTING POINT:	N/ap.
ODOUR:	Floral	BOILING POINT:	105°C
pH:	5.5 to 6.5	CRITICAL TEMPERATURE:	N/ap.
VAPOUR PRESSURE:	N/ap.	RELATIVE DENSITY:	1.035 to 1.045

SOLUBILITY:	Soluble in water	PARTION COEFFICIENT: n-OCTANOL/WATER	N/av.
VAPOUR DENSITY:	N/ap.	EVAPORATION RATE:	N/ap.

### SECTION 10 - STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Normally stable.

**HAZARDOUS POLYMERIZATION:** Will not undergo hazardous polymerisation.

**INCOMPATIBILITY:** Reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Packaging decomposes at high temperatures releasing acrid smoke and irritating fumes.

### SECTION 11 -TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY: Inhalation (minor), Ingestion (minor), Eye contact (major), Skin contact (minor)

ACUTE EXPOSURE:

No specific animal data is available for this product.

CHRONIC EXPOSURE:

No specific animal data is available for this product.

## ZAAL PINK FOAM HAND SOAP, H-6

### SECTION 11 -TOXICOLOGICAL INFORMATION (con't)

IRRITANCY:	SENSITIZATION:
Expected to cause eye, respiratory and gastrointestinal irritation.	Not reported.
MUTAGENICITY:	REPRODUCTIVE TOXICITY:
Not reported.	Not reported.
TERATOGENICITY:	CARCINOGENICITY:
Not reported.	Not listed as a carcinogen by ACGIH, IARC or OSHA
POTENTIAL FOR ACCUMULATION:	SYNERGISTIC PRODUCTS:
Not expected to accumulate.	None known.

### SECTION 12 - ECOLOGICAL INFORMATION

**ECOTOXICITY:** May be harmful to aquatic life.

**ENVIRONMENTAL FATE:** This product has considerable solubility and mobility in water and non-significant absorption into soil.

Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lake, streams, ponds or rivers.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**DEACTIVATING CHEMICALS:** Carefully dilute the product with water and allow the solution to naturally degrade.  
**WASTE DISPOSAL METHODS:** Place used and contaminated material and packagings into suitable containers and dispose of as controlled waste. Review and follow all local, provincial, and federal regulations.

### SECTION 14 - TRANSPORT INFORMATION

**ICAO TECHNICAL INSTRUCTIONS, IMDG CODE:** N/ap.

**US HAZARDOUS MATERIALS REGULATIONS:** N/ap.

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:** N/ap.

### SECTION 15 - REGULATORY INFORMATION

**CANADIAN FEDERAL REGULATIONS:**

**CEPA, DOMESTIC SUBSTANCES LIST:** All ingredients are listed.

**WHMIS CLASSIFICATION:** Not a controlled product subject to WHMIS requirements.

### SECTION 16 - OTHER INFORMATION

PREPARATION DATE: February 22, 2010

Revision: Jan 2014

PREPARED BY: Gemini Packaging Ltd.

DECLARATION: This Material Safety Data Sheet meets or exceeds all the requirements of the Canadian Controlled Product Regulations.