

Material Safety Data Sheet

Liquid Dish Soap

1. Product and company identification

Product name	Liquid Dish Soap	In case of emergency	1-800-843-6174
Code	308FS	Validation date	11/8/2011.
Material uses	Hand dish wash liquid	Print date	11/8/2011.
Manufacturer	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	Responsible name	Regulatory Affairs Department

Hazardous Material Information System (U.S.A.)

Health	0	HAZARD RATING
Flammability	0	4 = Extreme
Physical hazards	0	3 = High
Personal protection	A	2 = Moderate
		1 = Slight
		0 = Insignificant

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

2. Hazards identification

Emergency overview CAUTION!
MAY CAUSE EYE AND SKIN IRRITATION.
Moderately irritating to the eyes and skin. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Potential acute health effects due to overexposure

Inhalation No known significant effects or critical hazards.
Ingestion No known significant effects or critical hazards.
Skin Moderately irritating to the skin.
Eyes Moderately irritating to eyes.

Potential chronic health effects due to overexposure

Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.

See toxicological information (section 8)

3. Composition/information on ingredients

Name	CAS number	%
Pentassium triphosphate	7758-29-4	1 - 5

4. First aid measures

Eye contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact None normally required.

Inhalation None normally required.

Ingestion Wash out mouth with water. Get medical attention immediately.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media

Suitable Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous thermal decomposition products Decomposition products may include the following materials:
phosphorus oxides
metal oxide/oxides

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Flash point Closed cup: Not applicable

6. Control and preventive measures

Storage Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Personal protection

Respiratory None required. However, use of adequate ventilation is good industrial practice.

Hands None normally required.

Skin None normally required.

Eyes None normally required.

Methods for cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Waste disposal Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

7. Physical and chemical properties

Physical state	Liquid	Boiling/condensation point	100°C (212°F)
Color	Blue/Green	Melting/freezing point	0°C (32°F)
Odor	Varied	Vapor pressure	<4 kPa (<30 mm Hg) [20°C]
VOC	0.0%	Vapor density	<1 [Air = 1]
pH	8 to 8.5	Weight per Gallon:	8.65 lbs/gal
1% pH:	7.5 to 8.0	Specific Gravity:	1.04 gm/ml
Solubility	Complete		

8. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Pentasodium triphosphate	LD50 Dermal	Rabbit	>4640 mg/kg	-
	LD50 Intraperitoneal	Rat	525 mg/kg	-
	LD50 Oral	Rat	3120 mg/kg	-
	LD50 Subcutaneous	Rat	2060 mg/kg	-

Conclusion/Summary Not available

Chronic toxicity

Conclusion/Summary Not available

9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated	-	-	-		-

PG* : Packing group