



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name ZEP ACCLAIM
Product use Antibacterial Hand Cleaner
Product code 0999
Date of issue 02/28/12 **Supersedes** 08/16/10

Emergency Telephone Numbers

For MSDS Information:
 Technical Services Group
 Telephone (780) 453-8100
 (Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency

CANUTEC (24 Hours)
 (613) 996-6666 - Call Collect

Prepared By

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Section 2. Hazards Identification

Emergency overview

CAUTION !

MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Avoid contact with eyes.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Not applicable.

Eyes

Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching.

Skin

No known significant effects or critical hazards. This product is formulated for use on skin but should be rinsed off when possible.

Inhalation

No known significant effects or critical hazards.

Ingestion

Harmful if swallowed.

Chronic effects

There is no known chronic effect after exposure to this product.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

Ammonium chloride

12125-02-9

1 - 5

Section 4. First Aid Measures

Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact

This product is formulated for use on the skin, but should always be immediately rinsed off with plenty of water. Get medical attention if irritation occurs.

Inhalation

Inhalation not likely under normal use conditions.

Ingestion

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point	Not applicable.
Flammable Limits	Not applicable.
Flammability	Non-combustible.
Auto-ignition Temperature	
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire.
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst.
Products of Combustion	carbon oxides (CO, CO ₂) and other unidentified organic compounds
Explosion hazard	Not available.

Section 6. Accidental Release Measures

Spill Clean up	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Do not ingest. Avoid contact with eyes.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). 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. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name** **Exposure limits**

No exposure limit value known.

Personal Protective Equipment (PPE)

Eyes	Recommended: No special protection is required.
Hands and Body	Recommended: No special protective clothing is required.
Respiratory	Recommended: No respiratory protection needed under normal use conditions.

Section 9. Physical and Chemical Properties

Physical State	Liquid. [Viscous liquid.]	Color	Gold.
pH	5.5-6.0	Odor	Pleasant.
Boiling Point	104.4°C (219.9°F)	Vapor Pressure	Not determined.
Specific Gravity	1.01	Vapor Density	Not determined.
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	1 (Water = 1)
Freezing Point		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	None known.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Carcinogenicity No known significant effects or critical hazards. Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ammonium chloride	LD50 Oral	Mouse	1300 mg/kg	-
	LD50 Oral	Rat	1650 mg/kg	-
	LD50 Oral	Rat	1650 mg/kg	-

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
ammonium chloride	-	Acute EC50 0.07 mg/L Marine water	Algae - Neptune'S Necklace - Hormosira banksii - Gamete	72 hours
	-	Acute EC50 450000 ug/L Marine water	Algae - Prasinophyte - Tetraselmis chuii	96 hours
	-	Acute LC50 20 ug/L Fresh water	Crustaceans - Giant river prawn - Macrobrachium rosenbergii - Post-larvae - 9.6 mm - 12.9 mg	48 hours
	-	Acute LC50 390 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Young	48 hours
	-	Acute LC50 640 mg/L	Fish - Goldfish	48 hours
	-	Chronic NOEC 330 ug/L Fresh water	Crustaceans - Amphipod - Crangonyx sp. - Juvenile (Fledgling, Hatchling, Weanling) - 8 to 42 days	21 days
	-	Chronic NOEC 19.66 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	21 days
	-	Chronic NOEC 0.006 mg/L Fresh water	Fish - Channel catfish - Ictalurus punctatus - Fry - 10 weeks	30 days

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	Not regulated.	-	-	-		-
IMDG Class	Not available.	Not available.	Not available.	-		-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information**Canada****WHMIS (Canada)**

Not controlled under WHMIS (Canada). Regulated under other Act

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*