

Material Safety Data Sheet



APEX MANUAL DETERGENT

Section 1. Chemical product and company identification

Trade name : APEX MANUAL DETERGENT
Product use : Manual Warewashing Detergent
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 999174-02
Date of issue : 27-January-2009

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium dodecylbenzene sulfonate	25155-30-0	41
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	68585-34-2	5 - 20
acetic acid, sodium salt	127-09-3	5 - 20
dodecanamide, n-(2-hydroxyethyl)-	142-78-9	5 - 20
amides, coco, n-(hydroxyethyl)	68140-00-1	1 - 5
d-glucopyranose, oligomeric, c10-16-alkyl glycosides	110615-47-9	1 - 5
silicic acid, sodium salt	1344-09-8	1 - 5

Section 3. Hazards identification

Physical state : Solid. [Extruded solid.]
Emergency overview : CAUTION !
MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE EYE IRRITATION.
Do not ingest. Avoid contact with eyes. Wash thoroughly after handling.

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.
Inhalation : No known significant effects or critical hazards.
Ingestion : May be harmful if swallowed.

See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation occurs.
Skin contact : Flush contaminated skin with plenty of water. Wash clothing before reuse.
Inhalation : If inhaled, remove to fresh air.
Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

Flash point	: > 100°C Product does not support combustion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire. Dike area of fire to prevent runoff. No specific fire or explosion hazard.
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.

Section 6. Accidental release measures

Personal precautions	: Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	: Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container.

Section 7. Handling and storage

Handling	: Do not ingest. Avoid contact with eyes. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Do not store above the following temperature: 50°C

Section 8. Exposure controls/personal protection

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protection :

Eyes	: No protective equipment is needed under normal use conditions.
Hands	: No protective equipment is needed under normal use conditions.
Skin	: No protective equipment is needed under normal use conditions.
Respiratory	: A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state	: Solid. [Extruded solid.]
Color	: Purple. [Light]
Odor	: citrus
pH	: 8.5 [Conc. (% w/w): 1%]
Relative density	: 1.1
Solubility	: Soluble in the following materials: cold water and hot water.

Section 10. Stability and reactivity

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Potential acute health effects

- Eyes** : Slightly irritating to the eyes.
- Skin** : Slightly irritating to the skin.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : May be harmful if swallowed.

Section 12. Ecological information

Section 13. Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.

Consult your local or regional authorities.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN Classification

UN number	UN3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkylbenzenesulfonate(s)), Marine pollutant
Class	9
Packing group	III

See shipping documents for specific transportation information.

Section 15. Regulatory information

- HCS Classification** : Not regulated.
- U.S. Federal regulations** : **SARA 302/304/311/312 extremely hazardous substances**: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
TSCA 8(b) inventory : All components are listed or exempted.
- California Prop. 65** : No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	1
	Flammability	0
	Physical hazards	0

Date of issue : 27-January-2009.
Responsible name : Regulatory Affairs
Date of previous issue : 25-May-2006.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.