

Material Safety Data Sheet



A-125 DRY

Section 1. Chemical product and company identification

Trade name : A-125 DRY
Product use : Cleaning product
Supplier : Ecolab, Professional Products Division
370 Wabasha Street N
St. Paul MN 55102
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326
Code : 908590
Date of issue : 23-May-2006

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 carbonate	497-19-8	30 - 60
citric acid	77-92-9	10 - 30
poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- Anionic Surfactant	9016-45-9	7 - 13
Sodium alkylnaphthylenesulfonate	Hmirc 6631	Trade secret.
sodium dodecylbenzene sulfonate	Hmirc 6631	Trade secret.
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	25155-30-0	1 - 5
Citrus Fragrance	64-02-8	0.5 - 1.5
	Mixture	0.5 - 1.5

Section 3. Hazards identification

Physical state : Solid. (Powder.)

Emergency overview : WARNING!

CAUSES EYE AND SKIN IRRITATION.

MAY CAUSE RESPIRATORY TRACT IRRITATION.

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of entry : Skin contact, Eye contact, Ingestion

Potential acute health effects

Eyes : Irritating to eyes.

Skin : Irritating to skin.

Inhalation : Moderately irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Section 4. First-aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : If inhaled, remove to fresh air.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Section 5. Fire-fighting measures

Auto-ignition temperature	: Not available.
Flash point	: > 100°C
Flammable limits	
Upper:	Not available.
Lower:	Not available.
Products of combustion	: Not available.
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire. Dyke liquid for later disposal. No specific 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.
Risk of explosion of the product in the presence of mechanical impact:	Not available.
Risk of explosion of the product in the presence of static discharge:	Not available.

Section 6. Accidental release measures

Personal Precautions	: Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	: If emergency personnel are unavailable, vacuum or carefully scoop up spilt material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

Handling	: Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling.
Storage	: Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store below 0°C

Section 8. Exposure controls, personal protection

Engineering controls	: Good general ventilation should be sufficient to control airborne levels.
Personal protection	
Eyes	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
Hands	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
Skin	: No protective equipment is needed under normal use conditions.
Respiratory	: Avoid breathing dust.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state	: Solid. (Powder.)
Colour	: Purple. (Light.)
Odour	: citrus
pH	: 10.3 (1%)
Boiling/condensation point	: Not available.
Melting/freezing point	: Not available.
Vapour pressure	: Not applicable.
Vapour density	: Not available.

Odour threshold	: Not available.
Evaporation rate	: Not applicable.
LogK _{ow}	: Not available.
Solubility	: Easily soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability	: The product is stable.
Conditions of instability	: Not available.
Reactivity	: Slightly reactive to reactive with acids.
Incompatibility with various substances	: Not available.
Hazardous Decomposition Products	: Not available.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Irritating to eyes.
Skin	: Irritating to skin.
Inhalation	: Moderately irritating to the respiratory system.
Ingestion	: No known significant effects or critical hazards.
Irritancy of Product	: Hazardous by WHMIS criteria.

Potential chronic health effects

Carcinogenic effects	: No known significant effects or critical hazards.
Mutagenic effects	: No known significant effects or critical hazards.
Teratogenic effects	: No known significant effects or critical hazards.
Reproductive effects	: No known significant effects or critical hazards.
Sensitization to Product	: No known significant effects or critical hazards.
Synergistic products (toxicologically)	: Not available.

Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
sodium carbonate	LD50	4090 mg/kg	Oral	Rat
	LD50	6600 mg/kg	Oral	Mouse
	LDLo	714 mg/kg	Oral	man
citric acid	LD50	5040 mg/kg	Oral	Mouse
	LD50	1310 mg/kg	Oral	Rat
poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-sodium dodecylbenzene sulfonate	LD50	438 mg/kg	Oral	Rat
	LD50	1330 mg/kg	Oral	Mouse

Target organs : Contains material which causes damage to the following organs: skin, eye, lens or cornea.

Section 12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
sodium carbonate	Lepomis macrochirus (LC50)	96 hour(s)	300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	320 mg/l
	Pimephales promelas (LC50)	96 hour(s)	<850 mg/l
poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-sodium dodecylbenzene sulfonate	Lepomis macrochirus (LC50)	96 hour(s)	1.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	4.7 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	7.6 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	7.9 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>10 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1000 mg/l
sodium dodecylbenzene sulfonate	Daphnia magna (EC50)	48 hour(s)	5.88 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1.18 mg/l

	Oncorhynchus mykiss (LC50)	96 hour(s)	1.68 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	6.5 mg/l
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	Lepomis macrochirus (LC50)	96 hour(s)	486 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1030 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	2070 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	3092 mg/l

Products of degradation : These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ etc.), sulphur oxides (SO₂, SO₃, etc.). Some metallic oxides.

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt 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

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
TDG Classification	Not regulated.	-	-	-	-

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

WHMIS : Class D-2B: Material causing other toxic effects (Toxic).

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

Date of issue : 23-May-2006.
Responsible name : Regulatory Affairs
Date of previous issue : 23-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.**