

Material Safety Data Sheet



OASIS PRO 11 HEAVY DUTY MULTI SURFACE CLEANER

Section 1. Chemical product and company identification

Trade name : OASIS PRO 11 HEAVY DUTY MULTI SURFACE CLEANER
Product use : Surface cleaner
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 913954-02
Date of issue : 24-August-2005

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>
Ammonia	1336-21-6	4
2-propanol, 1-propoxy-	1569-01-3	5 - 20
1-propanaminium, 3-amino-n-(carboxymethyl)-n,n-dimethyl-, n-coco acyl derivs., inner salts	61789-40-0	5 - 20
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	68585-34-2	1 - 5
xylenesulfonic acid, sodium salt	1300-72-7	1 - 5
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	64-02-8	1 - 5
amines, coco alkyldimethyl, n-oxides	61788-90-7	1 - 5
2-propanol, 1-(1-methyl-2-propoxyethoxy)-	29911-27-1	1 - 5
propanol, oxybis-	25265-71-8	1 - 5

Section 3. Hazards identification

Physical state : Liquid. (Liquid.)
Emergency overview : WARNING!

CAUSES SEVERE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FIRE.
HARMFUL IF SWALLOWED.

Do not ingest. Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Severely irritating to the eyes.
Skin : Severely irritating to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Harmful if swallowed.
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 immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Rinse mouth; then drink one or two large glasses of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Section 5. Fire fighting measures

Flash point : 42.222 °C (Closed cup)
Fire fighting media and instructions : In case of fire, use water spray (fog), foam, dry chemicals, or CO₂.

Dike area of fire to prevent product run-off.

Combustible liquid and vapor. May burn, but does not ignite readily. Under high temperatures or under moderate heating might release vapor in sufficient quantities to produce hazardous atmospheres with air.

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

Section 6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.--

Section 7. Handling and storage

Handling : Do not ingest. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire, minimize ignition sources. Wash thoroughly after handling.
Storage : Keep out of the reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Store between -10 and 50°C

Section 8. Exposure Controls, Personal Protection

Engineering controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal protection

Eyes : Use safety eyewear designed to protect against splash of liquids.
Hands : Use chemical resistant, impervious gloves.
Skin : No protective equipment is needed under normal use conditions.
Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state : Liquid. (Liquid.)
Color : Yellow. (Dark.)
Odor : Ammoniacal.
pH : 11.85 (100%)
Specific gravity : 1.021 (Water = 1)

Section 10. Stability and reactivity

Stability : The product is stable.
Reactivity : Slightly reactive to reactive with acids.

Section 11. Toxicological information

Potential acute health effects

Eyes : Severely irritating to the eyes.
Skin : Severely irritating to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Harmful if swallowed.
Chronic effects on humans : Contains material which causes damage to the following organs: lungs, upper respiratory tract, eye, lens or cornea

Section 12. Ecological information

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

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.

Waste classification : Unused product is D001 (Ignitable)

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT 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

HCS Classification : Combustible liquid
Irritating material
Target organ effects

U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.
SARA 302/304 emergency planning and notification: None.

TSCA 8(b) inventory : One or more materials are not listed.

SARA 313

Form R - Reporting requirements: Ammonia

California prop. 65

Product name : Ammonia
Concentration : 4.3

: No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.)	:	Health	*	2
		Fire hazard		2
		Reactivity		0
		Personal protection		B

Date of issue : 24-August-2005.
Responsible name : Regulatory Affairs
Date of previous issue : No Previous Validation.

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.