Material Safety Data Sheet



A-33

Section 1. Chemical product and company identification

Trade name Product use : A-33 : disinfectant

Supplier

Airkem Professional Products Division of Ecolab Inc.

370 N. Wabasha St. St. Paul, MN 55102 1-800-332-6522

Code

: 966051

Date of issue

: 21-April-2005

EPA Registration No. : 42964-5

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

Name	CAS number	% by weight
diphosphoric acid, tetrapotassium salt	7320-34-5	1 - 5
quaternary ammonium compounds, benzyl-c12-18-alkyldimethyl, chlorides	68391-01-5	1 - 5
poly(oxy-1,2-ethanediyl), .alpha(nonylphenyl)omegahydroxy-	9016-45-9	1 - 5

Section 3. Hazards identification

Physical state

: Liquid. (Liquid.)

Emergency overview : Danger!

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CAUSES EYE AND SKIN BURNS.

CAUSES RESPIRATORY TRACT IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes

: Corrosive to eyes.

Skin

: Corrosive to the skin.

Inhalation

: Irritating to respiratory system.

Ingestion

: Harmful if swallowed. May cause burns to mouth, throat and stomach.

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 immediately.

Inhalation

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

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

Fire hazards in presence of

: Non-flammable.

various substances Fire fighting media and

instructions

: Use an extinguishing agent suitable for surrounding fires.

Dike area of fire to prevent product run-off.

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 facepiece operated in positive pressure

mode

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. Prevent entry into sewers, water courses, basements or confined areas.

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) scoop up material and place in a sealed, liquid-proof 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. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. 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

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal protection

Eyes

 Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hands

: Use chemical resistant, impervious gloves.

Skin Respiratory Wear suitable protective clothing.Avoid breathing vapor or mist.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state

: Liquid. (Liquid.)

Color

: Blue.

Odor

: Fragrance like. : 10.5 (100%)

Boiling/condensation

point

: >100 °C

Specific gravity

: 1.032 (Water = 1)

Dispersion properties Solubility

: Easily dispersed in cold water, hot water.: Easily soluble in cold water, hot water.

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Section 10. Stability and reactivity

Stability

: The product is stable.

Reactivity

: Slightly reactive to reactive with organic materials, acids.

Section 11. Toxicological information

Potential acute health effects

Eyes

: Corrosive to eyes.

Skin Inhalation : Corrosive to the skin.

: Irritating to respiratory system.

Ingestion

: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Potential chronic health effects

Section 12. Ecological information

Products of degradation

: These products are carbon oxides (CO, CO₂) and water, phosphates. 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.

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

: Corrosive material

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

All materials are listed or exempt.

California prop. 65

: No products were found.

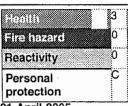
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Section 16. Other information

Hazardous Material

Information System (U.S.A.)



Date of issue Responsible name Date of previous issue

21-April-2005. **Regulatory Affairs** : No Previous Validation.

Notice to reader

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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.