

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product & Company Identification
Identity (As Used on Label and List): Ice Kleen
Product Class: Water Based Cleaner
Emergency Telephone Number: 800-278-6176
Telephone Number for Information: 800-950-1975
Distributed By:
 Dalco
 300 5th Ave NW, New Brighton, Minnesota 55112

Section 2 - Composition/Information On Ingredients

Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s)	%
A	Tetrasodium EDTA CAS #64-02-8	1 - 5
B	Alcohol Ethoxylate CAS #34398-01-1	1 - 5
C	Alkyl-imino Acid Sodium Salt CAS #64972-19-6	1 - 5
D	Propylene Glycol Monomethyl Ether CAS #107-98-2	1 - 5
E	Water CAS #7732-18-5	60 - 100

Section 3 - Hazards Identification

Emergency Overview
Appearance and Odor: Purple Liquid, Lemon Scent.
Primary Hazards: Irritant.

Potential Health Hazards
Route(s) of Entry: **Skin Absorption:** X **Ingestion:** **Inhalation:** X
Eye: May cause irritation on contact.
Skin: May cause irritation on prolonged or repeated contact.
Ingestion: May be harmful if swallowed.
Inhalation: Overexposure to vapors may be harmful.
Signs and Symptoms of Exposure: Excessive exposure may cause headaches or narcotic effects.
Carcinogenicity: NTP? No **IARC Monographs?** No
OSHA Regulated? No
Target Organ (s): Skin, eyes, respiratory system.
Medical Conditions Generally Aggravated by Exposure: N. Av.
Health Hazards, Chronic: N. Av.

Section 4 - First Aid Measures

Emergency and First Aid Procedures:
If Swallowed: Call a physician immediately. Do not induce vomiting. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.
Sources Used: Raw material data, general toxicology from the trade for similar products.

Section 5 - Fire Fighting Measures

Flammability: Flammable **Autoignition Temperature:** N. Av.
Flash Point (method used): 80°F (27°C) PMcc
Flammable Limits: N. Av. **LEL:** N. Av. **UEL:** N. Av.
Extinguishing Media
Water? **Foam?** **Water Fog?** X
Alcohol Foam? X **CO2?** X **Dry Chemical?** X
Vaporizing Liquid? X **Other?**
Special Fire Fighting Procedures: Water hose stream may spread fire. Use water spray to keep containers cool.
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel over distances to ignition sources (heat, flames, sparks, pilot lights, etc) where ignition may occur. Ground all equipment.
TDG Flammability Classification: Unknown
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: N. Av.

Section 6 - Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:
 Extinguish all sources of possible ignition (flames, sparks, pilot lights, etc.) and provide ventilation. For large spills, dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbent material (example; floor-dri). For small spills, wipe up spill with mop or rag. Dispose of or treat mop or rag properly to avoid fire.

Section 7 - Handling And Storage

Precautions to be Taken in Handling and Storing:
 Do not store near heat, sparks or flame.
Other Precautions: Keep out of reach of children. Keep from freezing.

Section 8 - Exposure Controls/Personal Protection

Respiratory Protection (Specify Types): Not required. Avoid breathing spray mist.
Ventilation: **Local Exhaust:** Not required **Special:** Not required
Mechanical (General): As required to keep vapor level below TLVs and PELs (Section XI) **Other:** Not required
Protective Gloves: Natural rubber or synthetic.
Eye Protection: Approved safety goggles or glasses. **Footwear:** Not required

Other Protective Clothing or Equipment: Not required
Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

Section 9 - Physical/Chemical Characteristics

Boiling Point: 212°F **pH:** 11.0 - 12
Specific Gravity (H2O) = 1: 1.02 **% Volatile:** > 95
Vapor Density (Air = 1): > 1 **Odor Threshold:** N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av. **Oil/Water Distribution Coefficient:** N. Av.
Solubility in Water: Complete
Vapor Pressure (MM HG): N. Av.
Melting Point: N. Ap.

Section 10 - Stability And Reactivity

Stability: **Unstable:** **Stable:** X
Conditions to Avoid: N. Ap.
Incompatibility (materials to avoid): N. Ap.
Hazardous Decomposition or By-products: N. Av.
Hazardous Polymerization: **May occur:** **Will not occur:** X
Conditions to Avoid: N. Ap.

Section 11 - Toxicological Information

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	2,000 mg/kg (rat, oral)	N. Av.
B	400 ppm	400 ppm	N. Av.	0.7-1.7 gm/kg (rat, oral)	N. Av.
C	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
D	100 ppm	100 ppm	N. Av.	6,600 mg/kg (rat, oral)	>200 mg/l (rat, oral)
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No
Toxicologically Synergistic Products: N. Av.

Section 12 - Ecological Information

Ecotoxicological Information: N. Av.
Chemical Fate Information: N. Av.

Section 13 - Disposal Considerations

Waste Disposal Method:
 Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.
RCRA Hazard Class: N.A..

Section 14 - Transport Information

Shipping Classification: Compound, Cleaning Liquid, N.O.I.
UN Number: N. Ap.
Packing Group: N. Ap.

Section 15 - Preparation Data

Prepared By: Ron Camp **Telephone Number:** 651-481-1900 **Date:** 11-12

Section 16 - Regulatory Information

US Federal Regulations
TSCA Status: All ingredients listed.
CERCLA Reportable Quality: N. Av.
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: None
Section 313 Toxic Chemicals: None
State Regulations
NOTICE STATE OF CALIFORNIA
 Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.
International Regulations
 WHMIS Controlled Product Hazard Class: N. Ap.

Section 17 - Other Information

None
 N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM
 2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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