

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>	
Identity (As Used on Label and List): Action Cleaner Product Class: Water-based degreaser Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 800-950-1975 Distributed By: Dalco 300 5th Ave NW New Brighton, Minnesota 55112	
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>	
Hazardous Components (Specific Chemical Identity):	
Chemical	Common Name(s) %
A	Potassium Hydroxide CAS #1310-58-3 1 - 5
B	d-Limonene CAS #5989-27-5 1 - 5
C	Ethoxylated Alkyl Amine CAS #68478-95-5 1 - 5
D	Surfactant/Hydrotrope (mixture) 1 - 5
E	Water CAS #7732-18-5 60 - 100
<b>SECTION III - HAZARDS IDENTIFICATION</b>	
Emergency Overview	
Appearance and Odor: Red Liquid, Citrus Fragrance.	
Primary Hazards: Corrosive	
Potential Health Hazards	
Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation:	
Eye: May cause chemical burns on contact.	
Skin: May cause chemical burns on contact.	
Ingestion: May be harmful if swallowed.	
Inhalation: No hazardous vapors.	
Signs and Symptoms of Exposure: Eye contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.	
Carcinogenicity: NTP? No IARC Monographs? No	
OSHA Regulated? No	
Target Organ (s): Eyes, skin and mucous membranes.	
Medical Conditions Generally Aggravated by Exposure: N. Av.	
Health Hazards, Chronic: N. Av.	
<b>SECTION IV - FIRST AID MEASURES</b>	
Emergency and First Aid Procedures:	
If Swallowed: Do not induce vomiting. If person can swallow, give several glasses of water. Obtain immediate medical attention. Eye Contact: Flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.	
Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.	
Sources Used: Raw material data, general toxicology from the trade for similar products.	
<b>SECTION V - FIRE FIGHTING MEASURES</b>	
Flammability: No Autoignition Temperature: N. Ap.	
Flash Point (method used): None	
Flammable Limits: N. Ap. LEL UEL	
Extinguishing Media N. Ap.	
Water? Foam? Water Fog?	
Alcohol Foam? CO <sub>2</sub> ? Dry Chemical?	
Vaporizing Liquid? Other?	
Special Fire Fighting Procedures: N. Ap.	
Unusual Fire and Explosion Hazards: N. Av.	
TDG Flammability Classification: Non-flammable	
Sensitivity to Mechanical Impact: None	
Sensitivity to Static Discharge: None	
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>	
Steps to be Taken in Case Material is Released or Spilled:	
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.	
<b>SECTION VII - HANDLING AND STORAGE</b>	
Precautions to be Taken in Handling and Storing:	
Normal care in handling and storage.	
Other Precautions: Keep out of reach of children. Keep from freezing.	
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
Respiratory Protection (Specify Types): Not required	
Ventilation: Local Exhaust: Not required Special: Not required	
Mechanical (General): Ventilate to keep vapor levels below PEL and TLV, listed in Section XI. Other: Not required	
Protective Gloves: Natural rubber or synthetic.	
Eye Protection: Approved safety goggles or glasses. Footwear: Chemical resistant	
Other Protective Clothing or Equipment: Not required	
Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.	

<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
Boiling Point: Approximately 212°F	pH: >13.5				
Specific Gravity (H <sub>2</sub> O) = 1: 1.02	% Volatile: > 75				
Vapor Density (Air = 1): > 1	Odor Threshold: N. Av.				
Evaporation Rate (Butyl Acetate = 1): N. Av.	Oil/Water Distribution				
Solubility in Water: Complete	Coefficient: N. Av.				
Vapor Pressure (MM HG): N. Av.					
Melting Point: N. Ap.					
<b>SECTION X - STABILITY AND REACTIVITY</b>					
Stability: Unstable: Stable: X					
Conditions to Avoid: N. Ap.					
Incompatibility (materials to avoid): Strong acids, aluminum, tin, zinc, and alloys.					
Hazardous Decomposition or By-products: N. Av.					
Hazardous Polymerization: May occur: Will not occur: X					
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	N. Av.	365 mg/kg (rat, oral)	N. Av.
B	None	None	N. Av.	5 g/kg (oral, rat)	N. Av.
C	None	None	50 ppm	N. Av.	N. Av.
D	None	N. Ap.	N. Av.	6,000 mg/kg (oral)	N. Av.
E	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No known relevance to humans.					
Toxicologically Synergistic Products: N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
Waste Disposal Method:					
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.					
RCRA Hazard Class: D002, characteristic corrosive					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
Shipping Classification: Corrosive liquid, basic inorganic, N.O.S. (Containing potassium hydroxide), Class 8					
UN Number: 3266					
Packing Group: II					
<b>SECTION XV - PREPARATION DATA</b>					
Prepared By: Mike Elms					
Telephone Number: 651-481-1900					
Date: 6/02					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
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: Immediate health, chronic health.					
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/A					
<b>SECTION XVII - OTHER INFORMATION</b>					
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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