

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>		
Identify (As Used on Label and List): Disperse 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	2-butoxy ethanol 5 - 10 CAS #111-76-2	
B	Sodium carbonate 5 - 10 CAS #497-19-8	
C	Sodium hydroxide 1 - 5 CAS #1310-73-2	
D	Sodium alkyl naphthalene 1 - 5 sulfonate mixture	
E	Water 60 - 100 CAS #7732-18-5	
<b>SECTION III - HAZARDS IDENTIFICATION</b>		
Emergency Overview		
Appearance and Odor: Blue liquid, solvent/floral odor.		
Primary Hazards: Corrosive		
Potential Health Hazards		
Route(s) of Entry:	Skin Absorption: X Ingestion: Inhalation: X	
Eye:	May cause chemical burns.	
Skin:	May cause chemical burns.	
Ingestion:	May be harmful if swallowed.	
Inhalation:	Overexposure to 2-Butoxy ethanol (butyl) vapors may cause central nervous system effects including drowsiness, headaches, nausea and dizziness.	
Signs and Symptoms of Exposure:	Irritation on direct contact.	
Carcinogenicity:	NTP? No IARC Monographs? No	
OSHA Regulated? No		
Target Organ (s):	2-butoxy ethanol ("butyl"): Liver, kidneys, lymphoid system, skin, blood, eyes and respiratory system.	
Medical Conditions Generally Aggravated by Exposure:	N. Av.	
Health Hazards, Chronic:	Overexposure to 2-Butoxy ethanol (butyl) may cause damage to one or more of the target organs listed above.	
<b>SECTION IV - FIRST AID MEASURES</b>		
Emergency and First Aid Procedures:		
If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. <b>Skin Contact:</b> 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.		
<b>SECTION V - FIRE FIGHTING MEASURES</b>		
Flammability:	No Autoignition Temperature: N. Av.	
Flash Point (method used):	None	
Flammable Limits:	N. Av. LEL UEL	
Extinguishing Media	N. Av.	
Water?	Foam?	Water Fog?
Alcohol Foam?	CO2?	Dry Chemical?
Vaporizing Liquid?	Other?	
Special Fire Fighting Procedures:	N. Av.	
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		

<b>Work/Hygienic Practices:</b> Do not contaminate food or beverages with cleaning chemicals.					
<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
Boiling Point:	Approximately 212°F	pH:	13		
Specific Gravity (H2O) = 1:	1.070	% 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):	N. Av.				
Hazardous Decomposition or By-products:	N. Av.				
Hazardous Polymerization:	May occur:	Will not occur:	X		
Conditions to Avoid:	N. Ap.				
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	25 ppm (skin)	25 ppm (skin)	25 ppm	1.48 g/kg (rat, oral)	N. Av.
B	N. Ap.	N. Ap.	N. Ap.	4,000 mg/kg (rat, oral)	N. Av.
C	2 mg/M <sup>3</sup>	2 mg/M <sup>3</sup>	N. Av.	140-340 mg/kg (rat, oral)	N. Av.
D	N. Ap.	N. Ap.	N. Ap.	3,400 mg/kg (rat, 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 sodium hydroxide), Class 8			
UN Number:		3266			
Packing Group:		II			
<b>SECTION XV - PREPARATION DATA</b>					
Prepared By:		James Tracy			
Telephone Number:		651-481-1900			
Date:		1/02			
<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:		2-butoxy ethanol (glycol ether)			
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: E			
<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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