ACGIH TLV-TWA: Not established OSHA PEL: Not established.

MATERIAL SAFETY DATA SHEET

NATROFLEX™ BCA

Date Revised: September 14, 1994		Supersedes: June 26, 1991	
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SECT	ION I - PRODUCT IDENTIFICA	TION	-
TRADE NAME: Natroflex BCA CHEMICAL NAME: Monomeric Ester			HMIS RATING Health 1 Flammability 1 Reactivity 0
SECTI	ON II - HAZARDOUS INGREDI	ENTS	
The component(s) listed below is identi Communication Standard (29 CFR 1910.		under the criteria	of the OSHA Hazard
INGREDIENT	CAS REGISTRY	PERCENT	
Diethylene Glycol Monobutyl Ether/ 2-(2-Butoxyethoxy)Ethanol	112-34-5	1-5	
	SECTION III - PHYSICAL DATA		
Boiling Point: N/DA Vapor Pressure (mm Hg): N/E Vapor Density (Air = 1): N/E Solubility in Water: N/A Appearance and Odor: Clear very slightly	Specific Gravity: 1.0125 Percent Volatiles: N/DA Evaporation Rate: Negligible		
SECT	ION IV - FIRE & EXPLOSION D	PATA	
FLASH POINT (Method Used): >200°F FLAMMABLE LIMITS: N/A AUTOIGNITION TEMPERATURE: N/A	(Setaflash Closed Cup)		
EXTINGUISHING MEDIA: Small Fires: Use Use water spray, fog, or alcohol foam.	dry chemical, carbon dioxide, h	nalon, water spray,	or foam. Large Fires:
SPECIAL FIRE FIGHTING PROCEDURES combustion should be equipped with NIOSH and full protective clothing.	•		
UNUSUAL FIRE & EXPLOSION HAZAR decomposition.	IDS: May liberate irritating	or toxic vapors de	uring combustion or

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SECTION V - PERMISSIBLE EXPOSURE LIMITS

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		- HEALTH HAZARD DA	
absorbed headache, depression	FECTS: The pure form of this through the skin. Ingestion can dizziness, and drowsiness). Inh	n result in nausea, vomiti alation of high concentrat	derate and mild skin irritation. May be ing, diarrhea, and CNS depression (i.e., tions of aerosols can also result in CNS apperatures. No chronic adverse health
Oı	icity Studies: al - rat: LD50: 5660 mg/kg. O g/m3. Dermal - rabbit: LD50:		mg/kg. Oral - guinea pig: LD50: 2000
PRIMARY ROUTE	OF ENTRY- Eye, skin		
CHEMICAL LISTEI NTP: No	O AS CARCINOGEN OR POTEN IARC: No (ITIAL CARCINOGEN: No DSHA: No	ne.
EFFECTS OF EXPO	SURE-		
EYES- Can cause s aid procedures adr		e severity of reaction dep	pends on duration of exposure and first
SKIN- Irritation ca	n occur following prolonged or	repeated contact	
INHALATION- Carvapors.	n be irritating to mucous memb	oranes, especially followi	ng prolonged exposure to mists and/or
INGESTION- Inges	tion can cause mild to modera	te irritation of the mouth	, throat, and esophagus
MEDICAL CONDITION oxisting medical control		URE- Not expected to co	ontribute to, worsen, or aggravate any
	SECTION VII - EMER	GENCY & FIRST AID PRO	OCEDURES
EYE CONTACT: In seek medical atter		ater for 15 minutes. Retr	ract eyelids often. If irritation persists,
	mmediately remove contamina m water for 15 minutes. Seek		thoroughly with mild soap and water. ffect or irritation develops.
INHALATION: Me	dical attention is not normally	required.	
followed by 2 glass			niting by giving either syrup of IPECAC T give anything by mouth if the person

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	SECTION VIII - REACTIVITY DATA			
STABILITY: Stable				
MATERIALS TO AVOID- Oxidizi	ng agents, acids.			
CONDITIONS TO AVOID- None k	nown			
HAZARDOUS DECOMPOSITION Plof carbon).	RODUCTS: Flammable solvent vapors, smoke, soot	t, & toxic fumes (e.g. oxides		
HAZARDOUS POLYMERIZATION	: Will not occur.			
	SECTION IX - SPILL OR LEAK PROCEDURES			
quantity is spilled, recover with puris flammable or combustible.	MATERIAL IS RELEASED OR SPILLED: MINIMIZE S mp or vacuum truck. Explosion-proof equipment sh Otherwise, use an absorbent such as fuller's earth Iminated material in a suitable container for disposa	nould be used if this product a, clay, or other appropriate		
Do not flush to sewer, stream, or	other bodies of water			
WASTE DISPOSAL METHOD: In	accordance with local, state, and federal regulation	ns.		
SEC	CTION X - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION: Nequipment.	When airborne concentrations are excessive, we	ear NIOSH/MSHA approved		
VENTILATION: Provide explosion proof ventilation as required to control airborne dust levels. The sum total of all ingredients may emit vapors during normal processing. All possible health effects are not known and individual sensitivities will vary. Effective exhaust ventilation should always be provided to draw dust, fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain ambient workplace atmosphere below the limits listed in Section V.				
PROTECTIVE GLOVES: Imperviou	is gloves to protect against contact with product.			
EYE PROTECTION: Safety goggle	s.			
OTHER PROTECTIVE EQUIPMENT	: Protective clothing, eye wash station, safety sho	ower.		
	SECTION XI - SPECIAL PRECAUTIONS			
	ing can create explosive dust clouds. Eliminate ign rocessing equipment should be spark-proof, well bo re above 120°F.	•		
OTHER PRECAUTIONS: Wash w Launder contaminated clothing be	ith soap and water before eating, drinking, smoking reuse.	ng, or using toilet facilities.		

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	SECTION XII - ENVIRONMENTAL INFORMATION				
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):					
CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT			
112-34-5	Diethylene Glycol Monobutyl Ether	1-5			
This information must be included	ded in all MSDS's that are copied and d	stributed for this material			
THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUES: Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102):					
No RQ for product or any constituent greater than 1% or 0.1% (carcinogen). Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-313): No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).					
Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312) Immediate (acute) health hazard The components of this product are included on the TSCA Chemical Substance Inventory					
TRANSPORTATION: Not regulated					
Revision Note: Revised Raw Material MSDS.					
Prepared by: James L. Pye, Jr.					
Title: Safety Coordinator					
N/A = Not applicable N/D = N/E = Not established	Not determined N/DA = No Data Ava	ilable			
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