## **Material Safety Data Sheet**

BL-701A

QUICK IDENTIFIER Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

SECTION 1 -								
Manufacturer's Name	Chemco Produ	cts, Inc.			enter tem.	107	2	
Address	1349 Grand O	aks Drive		Emergency Telephone	No. (517)	546-7	800	
City, State, and ZIP	Howell, MI	48843	5 8(1)	Other Informatio Calls		as abov	- Landers and the second	
Signature of Person Responsible for Preparati	and to be a large	mic sellele	gargh phone	Date Prepared	MAY 01	1986	izono Pani	PT AT
SECTION 2 - H	AZARDOUS ING	REDIENTS	IDENTITY				пконред А	har rages Appril 2003
Hazardous Component(s)	(chemical & common name	e(s))	OSH PEL	A ACGIH TLV	Other Exp	osure	% (option	cas al) NO.
Sodium hydrox	ide	SHUBT YEAR	PURE ENERGY	indulations  and storage	in subjections of the company of the	<del>Muray t</del> di avaa	< 20%	131073
Morpholine	1						< 5%	110-91-
Ne i.i	EQ. (1.) #47 13: 619	93, A.1 edgargonold	No 11	en a cap	mi vili	Lorig to Min	gentres!)	-
						7.0 % 5	<del>110 /</del>	
	ilable.	ave M may?		ечровие			1	
a branch . France	noise, helding 11di	lenst 15 ndi	Je volozodo	diseasolt.	glatesteaml			44.1011
								1311912
restlette spesig sell	ok ar not salev to	garate natur	Arried Switz	leof.	Dear aller al.		+	
Boiling	YSICAL & CHEM	y Best (Francis) Carolina (Salana) Asarwayan ata	_ 2012 - 1112	CONSAND SOUTH	Pitercard	TATASIAS	N 3 . S	MTV13
SECTION 3 - PH  Boiling > 212° F	YSICAL & CHEMI	y Best (Francis) Carolina (Salana) Asarwayan ata	ACTERIST Specific Gravity (H	ICS	Vapo	or sure (mm Hg)	N.A.	MTS 18
Boiling Point > 212° F	YSICAL & CHEM	ICAL CHAR	Specific Gravity (H	ICS	Vapo	sure (mm Hg)	7	of Carte
Boiling Point > 212° F	YSICAL & CHEMI	ICAL CHAR	Specific	ICS	6 Vapo Pres	sure (mm Hg)	7	1000
Boiling Point > 212° F	Vapor Density (Air = 1	ICAL CHAR	Specific Gravity (H	ICS	6 Vapo Pres	sure (mm Hg)	Keep	1000
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color	Vapor Density (Air = 1)	ICAL CHAR	Specific Gravity (H Reactivity Water Melting Point	ICS 1,0=1) 1.146 in N.A.	Vapo Pres	onia 1600	Keep	epoliticans I
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color	Vapor Density (Air = 1)	ICAL CHAR  I) N.A.  ON DATA  Flat	Specific Gravity (H Reactivity Water Melting Point	ICS 1,0=1) 1.146 in N.A. N.A.	6 Vapo Pres	sure (mm Hg)	Keep Keep Keep Keep Keep Keep Keep Keep	ent of the second
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.	Vapor Density (Air = 1)  letely Soluble  less  RE & EXPLOSIO  Method Used N.A.	N.A.  N.A.  NDATA  Flat in A  nguisher This	Reactivity Water  Melting Point  mmable Limits Air % by Volume	ICS 1,0=1) 1.146 in N.A. N.A.	UEL Upper	Non-flaspray, f	ammabl	le arbon diox
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.  Auto-Ignition Temperature N. A.  Special Fire	Vapor Density (Air = 1)  letely Soluble  less  RE & EXPLOSIO  Method Used N.A.	N.A.  N.A.  Plan in A  nguisher This is or d	Reactivity Water  Melting Point  mmable Limits Air % by Volume s product is ry chemical	ICS  In N.A.  N.A.  LEL Lower N.A.  not combustimay be used	UEL Upper ble. Water	Non-fl spray, f product i	ammabloam, ca	le bridge
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.  Auto-Ignition Temperature N. A.  Special Fire Fighting Procedures I	Vapor Density (Air = 1)  letely Soluble  less  RE & EXPLOSIO  Method Used N.A.  Extinue Method Metho	N.A.  N.A.  Plan in A  nguisher This is or d  hing and p	Reactivity (Heactivity Water  Melting Point  mmable Limits Air % by Volume a product is ry chemical pressure-dependents	ICS  In N.A.  N.A.  N.A.  LEL Lower N.A.  not combustimay be used to the combustion of the combustion	UEL Upper ble. Water where this	Non-fl spray, f product i	ammabloam, cas store	le bridge
Boiling Point > 212° F  Solubility Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.  Auto-Ignition Temperature N. A.  Special Fire Fighting Procedures F  should be worth.	Vapor Density (Air = 1)  letely Soluble less  RE & EXPLOSIO  Method Used N.A.  Extined  Protective clot	N.A.  N.A.  Plan in A  nguisher This is or d  hing and p	Reactivity (Heactivity Water  Melting Point  mmable Limits Air % by Volume a product is ry chemical pressure-dependents	in N.A.  N.A.  LEL Lower N.A. not combusti may be used we mand self- product is	UEL Upper ble. Water where this j -containers stored.	Non-fl spray, f product i	ammabloam, cas store	le irbon diox apparatu
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.  Auto-Ignition N. A.  Special Fire Fighting Procedures F  should be wor Unusual Fire and Explosion Hazards	Vapor Density (Air = 1)  letely Soluble less  RE & EXPLOSIO  Method Used N.A.  Extine  Protective clot en by fire figh	N.A.  N.A.  N.A.  Plan in A  nguisher This is or d  hing and p  ters in ar	Reactivity Water Melting Point  mmable Limits Air % by Volume product is ry chemical pressure—dereas where	ICS  In N.A.  N.A.  N.A.  LEL Lower N.A.  not combustimay be used to the combustimate and self- product in the combustion of the combustio	UEL Upper ble. Water where this j -containers stored.	Non-fl spray, f product i	ammabloam, cas store	le rbon diox apparatu
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.  Auto-Ignition N. A.  Special Fire Fighting Procedures F  should be wor Unusual Fire and Explosion Hazards	Vapor Density (Air = 1)  letely Soluble less  RE & EXPLOSIO  Method Used N.A.  Extined Protective clot on by fire fight	N.A.  N.A.  N.A.  Plan in A  Inguisher This is or d  hing and p  ters in ar	Reactivity (Howell of the Control of	ICS  In N.A.  N.A.  N.A.  LEL Lower N.A.  not combustimay be used to the combustimate and self- product in the combustion of the combustio	UEL Upper ble. Water where this p-contained stored.	Non-fl spray, f product i	ammabloam, cas store	le rbon diox apparatu
Boiling Point > 212° F  Solubility in Water Comp  Appearance and Odor Color  SECTION 4 - FI  Flash Point N. A. F. C.  Auto-Ignition N. A.  Special Fire Fighting Procedures F  should be wor Unusual Fire and Explosion Hazards	Vapor Density (Air = 1)  letely Soluble less  RE & EXPLOSIO  Method Used N.A.  Extined  Protective clot on by fire fight	N.A.  N.A.  Plan in A  Inguisher This is or d hing and p ters in ar	Reactivity (Harmonic Gravity (Harmonic Gravity (Harmonic Gravity (Harmonic Gravity Water Melting Point Melting Poi	ICS  IOS  IN.A.  N.A.  N.A.  LEL Lower N.A.  not combustimay be used to the product in the produ	UEL Upper ble. Water where this percentaines stored.	Non-fl spray, f product i	ammabloam, cas store	Le rbon diox

SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)
Stability Unstable () Conditions Stable 10 to Avoid
Incompatability (Materials to Avoid) Avoid contact with strong acids, strong oxidizers and metals like aluminum, ti
and zinc alloys containing these metals.
Hazardous Decomposition Products None known.
Hazardous May Occur I.J. Conditions Polymerization Will Not Occur it to Avoid None known.
1365 Sale 2430 State Date Drive Cohe Cohe Cohe
SECTION 6 - HEALTH HAZARDS  The chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant
1. Acute Corrosive to all body tissues with which it comes in contact.  2. Chronic dermatitis. Similarly, inhalation of dust, spray, or missing and result in varying degrees of irritation or damage to the
rechiratory illness
Inhalation: Sore throat, coughing—shortness of breath. Skin: Short single exposure may cause skin irritation longed or repeated exposure may cause serious chemical and/or thermal burns. Eves: Severe irritation or burns could result in permanent damage. Ingestion: Severe burns may cause complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach. Spasms, vomiting.
Chemical Listed as Carcinogen National Toxicology Yes U I.A.R.C. Yes U OSHA Yes XXI or Potential Carcinogen Morpholine Program No U Monographs No U No U
Emergency and First Aid Procedures
Do not induce vomiting. Give large quantities of water or milk. Get prompt medical attributed by mouth to an unconscious person.  SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES  Precontions to be Taken in Handling and Storage Avoid contact with aluminum, tin, zinc, and alloys containing these metals.
the state of the s
Other "
Precautions Keep containers closed when not in use.
Steps to be Taken in Case Material is Released or Spilled  Leaks should be stopped. Spills should be contained and cleaned up immediately. Large Vacuum into appropriate containers. Flush with water. Small spills: Cover with some in absorbent material; sweep or shovel up and place in a waste disposal container. Flush area with water. Do not
Hush to sewers, streams or storm conduits, Wear protective clothing.
Methoda (Conault federal, atate, and local regulations) Clean—up materials and any contaminated equipment must be disposed of in accordance with all applicable federal, state, and local health and environmental regulations.
SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES
Hespiralory Protection
Ventilation  Not required under normal use. Use NIOSH/MSIA approved respirator where mists may be generate  Ventilation  Local Exhaust Adequate (General)  Mechanical Special Other
Cloves Natural and butyl rubber gloves. Eye Protection Chemical goggles with face shield
Other Protective Clothing or Equipment Coveralls to prevent skin contact. Showers and eyewash facilities should be accessible.
Work/Hygienic Practices  Launder contaminated clothing before reuse. Discard footwear or other items which can not
be decontaminated.