SECTION 1:	IDENTIFICATION		
Company Name: Address:	Chemworld 885 Woodstock Road Ste 430-111		
Phone No. Fax No. Emergency Phone No.	Roswell, GA 30075 800.658.7716 877.209.1556 CHEM-TEL 800-255-3924		
Date Prepared: Date Revised:			
SECTION 2:	INGREDIENTS		
<u>MATERIAL</u> DISODIUM ETHYLENE SODIUM DIMETHYLDIT ETHYLENE THIOUREA			
SECTION 3:	HEALTH HAZARDS		
Emergency Overview:	WILL CAUSE MODERATE SKIN IRRITATION. WILL CAUSE MODERATE EYE,		
Ingestion: Inhalation:	NOSE, THROAT, AND LUNG IRRITATION. SLIGHTLY TOXIC. HARMFUL IF SWALLOWED. AVOID BREATHING VAPORS OR MISTS. PROLONGED OR EXCESSIVE INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION OR BURNS OF THE		
Skin Contact:	MUCOUS MEMBRANES. A SINGLE, PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN ARMFUL AMOUNTS. CAUSES		
Eye Contact:	CAN CAUSE MODERATE EYE IRRITATION. DISCOMFORT AND BLURRING OF VISION MAY OCCUR.		
Other Information:	PRODUCT CONTAINS <1% ETHYLENE THIOUREA (96-45-7), WHICH IS LISTED AS AN ANTICIPATED HUMAN CARCINOGEN (NTP) AND AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B – IARC).		
SECTION 4:	FIRST AID		
Ingestion:	DRINK TWO GLASSES OF WATER. INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.		
Inhalation:	IF BREATHING IS DIFFICULT, REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL		
Skin Contact:	ATTENTION IF COUGH OR OTHER SYMPTOMS DEVELOP. WASH AFFECTED AREA IMMEDIATELY WITH LARGE AMOUNTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL		
Eye Contact:	ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.		
Notes to Physician:	ALL TREATMENS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS IN THE PATIENT. TREAT SYPTOMATICALLY.		
SECTION 5:	FIRE AND EXPLOSION HAZARD DATA		
Flash Point/Method: Lower Limit in Air: Upper Limit in Air:	> 201º F (>93.9º C)/PMCC N.A. N.A.		
Extinguishing Media: Procedures:	WATER, CARBON DIOXIDE, FOAM, OR DRY POWDER. FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF- CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED AREAS.		
Unusual Hazards: Combustion Products:	WHEN WATER HAS EVAPORATED, THE RESIDUE WILL BURN. IF WATER IS EVAPORATED, OXIDES OF CARBON, PHOSPHORUS, SULFUR,AND NITROGEN AND HYDROCARBONS, FUMES, AND SMOKE MAY BE PRODUCED.		

SECTION 6:	ACCIDENTAL RELEASE MEASURES
Personal Precautions:	WEAR PERSONAL PROTECTIVE EQUIPMENT AS RECOMMENDED IN SECTION 8.
	ELIMINATE ALL SOURCES OF IGNITION.
Initial Containment:	CONTAIN SPILLED MATERAL. ABSORB SPILLS WITH INERT MATERIAL.
Large Spills Procedures:	WARNING. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD
	TO WATERWAYS. THIS PRODUCT IS TOXIC TO FISH. CONTAN SPILLED LIQUID
	WITH SAND OR EARTH.
Small Spills Procedures:	CLEAN UP AREA BY ABSORBENT MATERIAL.
	OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.

SECTION 7:	HANDLING AND STORAGE			
	Handling:	FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE THEY MAY RETAIN PROUCT RESIDUES. AVOID PROLONGED		
		CONTACT WITH SKIN OR EYES. AVOID BREATHING MISTS. WASH HANDS THOROUGHLY AFTER HANDLING. STORE IN A SECURE AREA. PROVIDE APPROPRIATE VENTILATION.		
	Storage:	RECOMMENDED STORAGE TEMPERATURE: 35° F - 140° F. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR COMBUSTIBLE MATERIALS. AVOID EXTREME TEMPERATURES. KEEP FROM FREEZING.		

SECTION 8:	EXPOSURE CONTROLS/PERSONAL PROTECTION
Engineering Controls:	GOOD GENERAL VENTILATION SHOULD BE USED TO CONTROL AIRBORNE LEVELS. FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY AND A SAFETY SHOWER.
Control Limits:	NONE
Equipment for Personal	
Protection:	CHEMICAL GOGGLES, PROTECTIVE GLOVES AND CLOTHING SHOULD BE WORN WHEN HANDLING THE CONCENTRATED PRODUCT. EYEWASH STATION AND
	SAFETY SHOWER IN AREA OF USE.

SECTION 9:

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odor: pH (undiluted): Specific Gravity: Density:	1.15 @77º F
Solubility in Water:	COMPLETE
Boiling Point:	>220 ⁰ F
Percent Volatile:	>60
Vapor Pressure (mmHg):	< 17.5 @68° F
Evaporation Rate:	< 1 (butyl acetate =1)

SECTION 10:

STABILITY AND REACTIVITY

Stability: Conditions to Avoid:	STABLE ACIDIFICATION RELEASES FLAMMABLE GASSES.
Hazardous Polymerization:	
Conditions to Avoid:	
Incompatibility:	MAY REACT WITH STRONG OXIDIZING AGENTS AND MINERAL ACIDS (MAY RELEASE GASES SUCH AS AMINES, HYDROGEN SULFIDE AND CARBON DISULFIDE).
Hazardous Decomposition	
Products:	THERMAL DECOMPOSITION MAY RELEASE GASES SUCH AS AMINES,
	HYDROGEN SULFIDE AND CARBON DISULFIDE.

SECTION 11: TOXICOLOGICAL INFORMATION

Material & Tests: ORAL LD₅₀ (RAT) = 1.4 g/kg. EYE IRRITATION (RABBIT) = NON-IRRITATING. SKIN IRRITATION (RABBIT) = NON-IRRITATING.

SECTION 12:

ECOLOGICAL INFORMATION

Aquatic Toxicity: NO INFORMATION AVAILABLE

SECTION 13:

DISPOSAL CONSIDERATIONS

	THIS PRODUCT IS NOT A HAZARDOUS WASTE AVOID DISPOSAL INTO WASTE WATER TREATMENT FACILITIES. TREAT OR
	DISPOSE OF WASTE MATERIAL IN ACCORDANCE WITH ALL LOCAL,
Container Disposal:	STATE/PROVINCIAL, AND NATIONAL REQUIREMENTS. UNCLEANED EMPTY CONTAINERS SHOULD BE DISPOSED OF IN THE SAME MANNER AS THE CONTENTS.

SECTION 14:

TRANSPORT INFORMATION

Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISODIUM METHYLENE BISDITHIOCARBAMATE)
Primary Hazard Class:	9
Identification No.:	UN3082
Packing Group:	PG III
2004 NAERG No.:	154

SECTION 15:

REGULATORY INFORMATION

<u>Regulation</u> CERCLA (40 CFR302.4):	<u>Material</u> ETHYLENE THIOUREA	<u>RQ</u> 10	<u>Max. %</u> 0.3		
SARA 302 (Sect. 355, Appendix A):	<u>Material</u> NONE	<u>TPQ</u>	<u>Max. %</u>		
SARA 311/312:	<u>Categories</u> IMMEDIATE, DELAYED HEALTH	E	<u>Hazards</u> YE, SKIN CORROSIVE		
SARA 313 (40 CFR 372.45):	<u>Material</u> DISODIUM ETHYLENE BISDITHIOCARBAMATE, SODIUM DIMETHYLDITHIOCAR- BAMATE, ETHYLENE THIOUREA				
CWA (40 CFR 401.15):	NONE				
RCRA (40 CFR 261):	NONE				
OSHA (29 CFR 1910.1200): TSCA:	ALL COMPONENTS LISTED UNDER THIS STANDARD ARE SHOWN IN SECTION 2 OF THIS MSDS. THIS PRODUCT IS SUBJECT OT REGULATION UNER THE US FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT (FIFRA) AND IS THEREFORE EXEMPT FROM US TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY LISTING REQUIREMENTS.				

SPECIAL STATE REGULATIONS

STATE INGREDIENT NONE	<u>%</u>	REGULATORY DESIGNATION
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SECTION 16 OTHER INFORMATION

SUGGESTED HAZARD RATINGS

<u>NFPA</u> *	HAZARD	<u>HMIS</u> *
2	HEALTH (Blue)	2
1	FIRE (Red)	1
0	REACTIVITY (Yellow)	0
	PERSONAL PROTECTION	D
	SPECIAL HAZARDS	

*Notes: 0 = Insignificant; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is furnished for compliance with the "Occupational Safety and Health Act" of 1970, the "Hazards Communication Act" of 1983 as well as various other Federal, State and Local regulations. Use or dissemination of all or part of this information for any other purpose is prohibited by law.