MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

UV 3 0

Manufacturer's Name :	EZ Flow Nail Systems
Address :	13720 Rosecrans Ave
City, State, Zip :	Santa Fe Springs, CA 90670
Business Telephone :	562-229-0337
Emergency Telephone :	800-535-5053

PREPARATION/UPDATE DATE: 09/10/01 PRINT DATE: 8/16/02

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

FOR MIXTURE:

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Acrylic Polymer in Toluene	NE	60.0-100.0
02	Toluene as a component	108-88-3	30.0-60.0
03	Butyl Acetate	123-86-4	15.0-40.0
04	Trade Secret ¹	NA	0.1-1.0
05	Trade Secret ²	NA	0.1-1.0
06	Anthraquinone	4430-18-6	0.5-1.5 ppm

	ACGI	4	OSH	Α	Company	
ITEM	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING	Recommendation	SKIN
01	50 ppm Skin	75 ppm Skin	100 ppm	150 ppm	50 ppm Skin	50 ppm
02	50 ppm Skin	75 ppm Skin	100 ppm	150 ppm	50 ppm Skin	50 ppm
03	150 ppm	200 ppm	150 ppm	200 ppm	150 ppm	NE
04	NE	NE	NE	NE	1 mg/m^3	NE
05	NE	NE	NE	NE	10 mg/m ³	NE
06	NE	NE	NE	NE	NE	NE

See Section 16 for Abbreviations.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING:	For Mixture: For Acrylic P	olymer in Toluene:	May irritate eyes, skin and respiratory tract. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
	For Butyl Acetate:		Flammable Liquid and Vapor.
For Acrylic Pc	lymer in Toluen	e:	
Acute	e Hazards:	Eyes:	Can cause severe irritation and corneal clouding.
		Ingestion:	Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.
		Inhalation:	Can cause irritation of the nose, throat and lungs; headache; dizziness; drowsiness; fatigue; loss of coordination; unconsciousness.
		Skin:	Moderate Irritant. Can cause defatting and drying of the skin which can lead to irritation and dermatitis. Solvent may be absorbed through the skin.
Chror	nic Hazards:	Inhalation:	High solvent vapor or mist concentrations can cause respiratory tract irritation, liver, kidneys and cardiovascular system. May also cause coma and/or death.
Aggra	avated Pre-existi	ng Conditions:	Chronic respiratory problems such as, asthma, emphysema or bronchitis. May aggravate existing skin conditions.
For Toluene:			
Acute	e Hazards:	Eyes:	Causes severe irritation with redness and pain.
		Ingestion:	May cause abdominal spasms and other symptoms that parallel over-exposure from inhalation. Aspiration into lungs can cause chemical pneumonitis, which may be fatal.
		Inhalation:	May cause irritation of upper respiratory tract. Symptoms of over-exposure may include fatigue, confusion, headache, dizziness and drowsiness. Peculiar skin sensations (e.g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death.
		Skin:	Causes irritation. May be absorbed through skin.
Chror	nic Hazards:	Chronic Poisoning:	Anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Exposure may effect the developing fetus.
		Skin:	Repeated or prolonged contact has a defatting action, causing drying, redness and dermatitis.
Aggra	avation of Pre-ex	isting Conditions:	Persons with pre-existing skin disorders or impaired liver or kidney function may be more susceptible to the effects. Alcoholic beverage consumption can enhance the toxic effects.
Note	to Physician:		Acute massive exposure to toluene can cause transient hematuria and albuminuria. Cardiac arrhythmias can occur after massive inhalation.

SECTION 3 - HAZARDS IDENTIFICATION CONTINUED

EMERGENCY OVERVIEW CONTINUED:

For Butyl Acetate: Acute Hazards:	Eyes:	Vapor and liquid causes irritation.
	Inhalation:	May cause drowsiness and irritation of eyes or respiratory tract.
	Skin:	Prolonged or repeated contact may cause drying, cracking, or irritation.
Chronic Hazards:		Overexposure may cause anemia with leukotosis (transient increase in the white blood cell count) and damage to the liver and kidneys.
	Inhalation:	High concentrations may cause lung damage. Exposure to high concentrations have a narcotic effect and may cause a stupor and headaches. May cause liver and kidney damage.
For Trade Secret ¹ :	Skin:	Repeated or prolonged contact has a defatting effect and may cause dryness, cracking and possibly dermatitis.
Acute Hazards:	Eyes:	Not expected to cause irritation.
Addle Hazards.	Ingestion:	If swallowed in small amounts, not expected to cause injury. Avoid swallowing.
	Inhalation:	May cause irritation.
	Skin:	Not expected to cause irritation, but may cause allergic skin reactions such as redness and itching. Avoid skin contact:
Chronic Hazards:	Ingestion:	Repeated or prolonged exposure may cause liver or kidney changes, which may be seen as liver enlargement and altered enzyme/protein levels.
Aggravated Pre-existin	g Conditions:	Pre-existing allergies, skin conditions, liver disease or jaundice, kidney disease can be aggravated by exposure. Women of child-bearing age should avoid exposure.
For Trade Secret ² :		
	Eyes:	Not expected to cause irritation.
	Ingestion:	If swallowed in small amounts, not expected to cause injury. Avoid swallowing.
	Inhalation:	Considered to present little risk if inhaled.
	Skin:	Not expected to cause irritation or allergic reactions. Due strong fluorescing power, small amounts will fluoresce under UV light. This does not represent a hazard.
		Continued washing with soap and water will eventually remove it from the skin.
For Anthraquinone:		None Listed.
CARCINOGENICITY:		Toluene, the solvent for the Acrylic Polymer, is considered to be Not Classifiable as to Human Carcinogenicity by IARC and EPA. None of the other components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.
PRIMARY ROUTES OF ENTR	v.	Inhalation, Skin or Eyes.

SECTION 4 - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

EYES:	If easy to do remove contact lenses. Flush with water for 15 minutes, including under eyelids. Seek medical attention. In case of irritation from airborne exposure, move to fresh air.
INGESTION:	If conscious and alert, give 2-3 glasses of water. Do not induce vomiting. Material may enter lungs and cause sever damage. Seek immediate medical attention.
INHALATION:	Remove to fresh air, assure victim is breathing. Seek immediate medical attention. If not breathing administer CPR, if breathing difficult give oxygen.
SKIN:	Immediately wash with lots of soap and water. Seek immediate medical attention.
CLOTHING:	Remove contaminated clothing and shoes. Heavily contaminate clothing should be discarded. Wash/clean thoroughly before reuse.
TREATMENT:	Treat symptoms conventionally after thorough decontamination. Consideration should be given to possibility that overexposure to the solvent has occurred.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Flammable Limit, Air Vol% Lower: Upper:	7 °C , 45 °F 1.2 for Toluene 7.1 for Toluene
AUTOIGNITION TEMPERATURE:	407 °C, 765 °F for Butyl Acetate
EXTINGUISHER METHOD:	Carbon Dioxide, Dry Chemical, Alcohol Foam or Water Spray. Water spray may be ineffective on the fire, but should be used to cool fire-exposed containers and structures.
FIRE AND EXPLOSION HAZARDS:	Eliminate sources of ignition. Above the flash point, vapor-air mixtures are explosive within the flammable limits. Sealed containers may rupture when heated. Vapors can flow along surfaces to distant ignition sources and flash back. Material creates a special hazard because it floats on water.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self contained breathing apparatus, and full protective gear. Remove all sources of ignition if it can be done safely. Move containers from fire area if you can do so without risk. Cool containers exposed to fire with water spray.
EXPLOSION HAZARD: SENSITIVE TO MECHANICAL IMPACT: No.	Fight fire from protected location.
SENSITIVE TO STATIC DISCHARGE:	Yes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE:

Evacuate the area. Eliminate sources of ignition. Use selfcontained breathing apparatus and protective clothing. Dike and absorb with inert material. Transfer to proper containers for disposal, use non-sparking tools. Contaminated monomer may be unstable, add inhibitor to prevent polymerization. Keep spills and cleaning runoffs out of sewers and open bodies of water. Spills on porous surfaces can contaminate the groundwater. Flush area with water to remove residue.

SECTION 7- HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING:	Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Observe precautions found on the label. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Use good personal hygiene and housekeeping.
PRECAUTIONS FOR STORING:	Recommended Minimum Storage Temperature: -18 °C, 0 °F. Recommended Maximum Storage Temperature: 49 °C, 120 °F. Store in a well ventilated area, away from heat, sparks, flame, direct sunlight or other sources of ignition. Keep away for incompatible materials.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION:	Use good, local explosion-proof ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of monomer release. Refer to <u>Industrial Ventilation: A Manual of Recommended Practice</u> published by the American Conference of Governmental Industrial Hygienists. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source.
RESPIRATORY PROTECTION:	Use self-contained breathing apparatus when needed.
EYE PROTECTION:	Safety glasses or chemical splash goggles.
PROTECTIVE GLOVES:	Impervious, nitrile.
OTHER PROTECTIVE EQUIPMENT:	Provide eyewash, safety shower and impervious clothing. Protective creams should not be used for protection, but may be used for ease of clean up.
INDUSTRIAL HYGIENE PRACTICES:	Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear colorless liquid.
ODOR:	Characteristic Sweet or Sour odor.
pH:	ND
ODOR THRESHOLD:	ND
BOILING POINT:	111 °C, 232 °F for Toluene
MELTING POINT:	-74 °C, -101 °F for Butyl Acetate
VISCOSITY:	2300 – 4300 cps
SPECIFIC GRAVITY (H ₂ O=1):	ND
VAPOR PRESSURE:	22 mm Hg @ 20 °C, 68 °F for Toluene
PERCENT VOLATILE W/W%:	~60 %
VAPOR DENSITY (AIR=1):	Both solvents 3 to 4 times heavier than air
EVAPORATION RATE (BuAc =1):	1.9 Toluene
SOLUBILITY IN WATER:	Practically insoluble to slightly soluble.
COEFFICIENT OF WATER/OIL DISTRIBUTION: < 3.0	for Toluene

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:Heat, open flames, sparks, static electricity, sunlisht, or other
sources of ignition.INCOMPATIBILITY (MATERIALS TO AVOID):Strong oxidizing agents.HAZARDOUS DECOMPOSITION PRODUCTS:Mainly Oxides of Carbon burned.HAZARDOUS POLYMERIZATION:MAY OCCUR:WILL NOT OCCUR:STABILITY:UNSTABLE:STABLE:

SECTION 11- TOXICOLOGICAL PROPERTIES

TARGET ORGANS:

For Mixture: For Acrylic Polymer in Toluene: For Toluene: For Butyl Acetate: For Trade Secret¹: For Trade Secret²: For Anthraquinone: None Listed. None Listed. Brain, Liver, Kidneys and Bladder. None Listed. None Listed. None Listed.

SECTION 11- TOXICOLOGICAL PROPERTIES CONTINUED

SENSITIVITY DATA:

For Acrylic Polymer in Toluene: For Toluene: Eye Human: Eye Rabbit: Eye Rabbit: Eye Rabbit: Skin Rabbit: Skin Rabbit: For Butyl Acetate: Eye Human: Eye Rabbit:

Eye Rabbit: Skin Guinea Pig: Skin Rabbit: For Trade Secret¹: Eye Rabbit: Sensitization Guinea Pig: Skin Rabbit: For Trade Secret²: Eye Rabbit: Sensitization Human: Skin Rabbit:

MUTAGENICITY DATA:

For Mixture: For Acrylic Polymer in Toluene: For Toluene: Inhalation Rat Subcutaneous Rat S. Cerevisiae Liver Rat E. Coli Microorganisms Intraperitoneal Mouse Oral Mouse Inhalation Grasshopper For Trade Secret¹: Ames: Hamster Hamster Unscheduled DNA Synthesis: None listed.

300 ppm. 870 μg. Mild. 2 mg/24H. Severe. 100 mg/ 30S rinse. Mild. 435 mg. Mild 500 mg. Moderate.

300 ppm.20 mg open. Severe.Moderate.Slight.500 mg/24H. Moderate.

Not an irritant. Strong sensitizing potential. Not an irritant.

Not an irritant. No evidence of irritation or sensitization. Not an irritant.

None Listed. None listed.

Cytogenetic Analysis: Cytogenetic Analysis: Cytogenetic Analysis: DNA Damage: Unscheduled DNA Synthesis: Unscheduled DNA Synthesis: Micronucleus Test: Micronucleus Test: Test Systems (Other):

Non-mutagenic Nucleus Anomaly: Micronucleus: Non-mutagenic 5400 μg/m³/16W. 12 gm/kg/12D. 2400 μmol/tube. 30 μmol/L. 1 pph. 1 pph/15M. 422 μg/kg/24H. 200 mg/kg. 562 mg/L.

Non-mutagenic Non-mutagenic

SECTION 11- TOXICOLOGICAL PROPERTIES CONTINUED

MUTAGENICITY DATA CONTINUED:

For Trade Secret²: Ames Test: Oral Dog: Oral Dog: Oral Dog: Oral Dog: Oral Dog Oral Dog Oral Rat: Oral Rat: Oral Rat: Oral Rat: Oral Rat:

REPRODUCTIVE TOXICITY DATA:

For Acrylic Polymer in Toluene: For Toluene:

Inhalation Mouse
Inhalation Mouse
Inhalation Mouse
Inhalation Mouse
Inhalation Rat
Oral Mouse
Oral Mouse
Oral Mouse
For Butyl Acetate:
Inhalation Rat
For Trade Secret ¹ :
Oral Rat:
Oral Rat:
Oral Rat:
Oral Rat
Oral Rat:
Oral Rat:
Oral Rat:
Oral Rat
Oral Rat:
Oral Rat:
Oral Rat:
Oral Rat:
Oral Rat
Oran Nat

1,570-1,680 mg/kg/D.
148-178 mg/kg/D.

None listed. Has been demonstrated to be embryofetotoxic and teratogenic in laboratory animals.

TC _{Lo} :	500 mg/m³/24H, 6-13D preg.
TC _{Lo} :	1000 ppm/6H, 2-17D preg.
TC _{Lo} :	400 ppm/7H, 7-16D preg.
TC _{Lo} :	200 ppm/7H, 7-16D preg.
TC _{Lo} :	1500 mg/m³/24H, 1-8D preg.
TC _{Lo} :	9 gm/kg, 6-15D preg.
TC _{Lo} :	15 gm/kg, 6-15D preg.
TC _{Lo} :	30 gm/kg, 6-15D preg.

TCLo: 1500 ppm/7H, 7-16D Preg.

2 mg/kg/before and during mating and conception. 50 mg/kg/before and during mating and conception. 100 mg/kg/before and during mating and conception. NOEL: 2 mg/kg. 1 mg/kg/6-15D Preg. 30mg/kg/6-15D Preg. 150 mg/kg/6-15D Preg. NOEL: 30 mg/kg. 10 mg/kg/28D. 50 mg/kg/28D. 200 mg/kg/28D. 1000 mg/kg/28D.

10 mg/kg/D

NOEL:

SECTION 11- TOXICOLOGICAL PROPERTIES CONTINUED

TOXICITY DATA:

10/10/1				
For Mixt	ure:	None Listed.		
For Acry	/lic Polymer in Toluene:	None listed.		
For Tolu	ene:			
	Inhalation Guinea Pig	LC _{Lo} :	1600 ppm.	
	Inhalation Human	TC _{Lo} :	200 ppm.	
	Inhalation Man	TC _{Lo} :	100 ppm.	
	Inhalation Mouse	LC _{Lo} :	5320 ppm/8H.	
	Inhalation Rat		4000 ppm/4H.	
	Intraperitoneal Mouse	LD ₅₀ :	1126 mg/kg.	
	Intraperitoneal Rat	LD _{Lo} :	800 mg/kg.	
	Intravenous Rat	LD ₅₀ :	1960 mg/kg.	
	Oral Human	LD _{Lo} :	50 mg/kg.	
	Oral Rat	LD ₅₀ :	5000 mg/kg.	
	Subcutaneous Frog	LD _{Lo} :	920 mg/kg.	
	Skin Rabbit	LD ₅₀ :	12124 mg/kg.	
	Unreported Route Mouse	LD ₅₀ :	2000 mg/kg.	
	Unreported Route Rat	LD ₅₀ :	6900 mg/kg.	
For Buty	/I Acetate:			
	Inhalation Cat	LC _{Lo} :	68 gm/m³/72M.	
	Inhalation Guinea Pig	LC _{Lo} :	67 gm/m ³ /4H.	
	Inhalation Guinea Pig	LC _{Lo} :	7000 ppm/13H.	
	Inhalation Human	TC _{Lo} :	200 ppm.	
	Inhalation Mouse	LC ₅₀ :	6 gm/m ³ /2H.	
	Inhalation Rat	LC ₅₀ :	2000 ppm/4H.	
	Inhalation Rat	LC ₅₀ :	1800 ppm/6H.	
	Intramuscular Guinea Pig	LD _{Lo} :	2648 mg/kg.	
	Intraperitoneal Guinea Pig	LD _{Lo} :	1500 mg/kg.	
	Intraperitoneal Mouse	LD ₅₀ :	1230 mg/kg.	
	Oral Guinea Pig	LD _{Lo} :	4700 mg/kg.	
	Oral Mouse	LD ₅₀ :	7060 mg/kg.	
	Oral Mouse	LD ₅₀ :	7100 mg/kg.	
	Oral Rat	LD ₅₀ :	14 gm/kg.	
	Oral Rat	LD ₅₀ :	14130 mg/kg.	
	Oral Rabbit	LD ₅₀ :	7400 mg/kg.	
	Skin Guinea Pig	LD ₅₀ :	8770 mg/kg.	
For Trac	le Secret ¹ :			
	Acute Oral Rat	LD ₅₀ :	> 5000 mg/kg.	
	Acute Inhalation	LC ₅₀ :	> 5.8 mg/kg/4H.	
	Acute Skin Rat	LD ₅₀ :	> 2000 mg/kg.	
	le Secret ² :			
	Acute Oral Rat	LD ₅₀ :	> 10,000 mg/kg.	
	Acute Inhalation Rat	LC ₅₀ :	> 1.8 mg/kg/4H.	
For Anth	nraquinone:	None Listed.		

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	SECTION 12	- ECOLOGICAL	INFORMATIO	Ν
AQUATIC TOXICITY:				
For Mixture:		None Listed.		
For Butyl Acetate:				
Bluegill Sunfish		LC ₅₀ :	100 mg/L/96H	
Tidewater Silverside		LC ₅₀ :	185 mg/L/96H	
Daphnia		LC ₅₀ :	44-205 mg/L/9	
For Trade Secret ¹ :			Ũ	
Bluegill		LC ₅₀ :	3.8 ppm/96H.	
Rainbow Trout		LC ₅₀ :	2.8 ppm/96H.	
Daphnia Magna		EC ₅₀ :	4.0 ppm/48H.	
Earthworm		LC ₅₀ :	> 1000 ppm/14	4D.
For Trade Secret ² :				
Zebra fish		LC ₅₀ :	> 100 ppm/96	H.
Daphnia magna		EC ₅₀ :	> 100 ppm/24	H.
AQUATIC REPRODUCTION:				
For Trade Secret ¹ :				
Daphnia Magna		EC ₅₀ :	> 1.0 ppm/21[D./
Daphnia Magna		NOEL:	.32 ppm.	
BIOCONCENTRATION:				
For Trade Secret ¹ :				
Rainbow Trout		Concentration:		Bioconcentration Factor: 26
Rainbow Trout		Concentration:	0.5 ppm	Bioconcentration Factor: 34
BIODEGRADABILITY:				
For Trade Secret ¹ :	Modifie	d Strum Test:	Not re	eadily biodegradable, with 12-24 % ir 28 Days.
For Trade Secret ² :				
		Modified Strum test:		Not readily biodegradable, with 0- 4% in 28 days.
ECOTOXICITY DATA:				170 m 20 dayo.
For Acrylic Polymer in Toluene:		No Applicable [Data	
For Toluene:				
Fish:		LC ₅₀ :	10 – 100 mg/L	/96H
For Trade Secret ² :				
Sewage Bacteria:		IC ₂₀ :	> 100 ppm.	
Sewage Bacteria:		IC ₅₀ :	> 100 ppm.	
Sewage Bacteria:		IC ₈₀ :	> 100 ppm.	
ENVIRONMENTAL FATE:				
For Toluono:		When released	into soil mov o	waparata ta madarata axtant . Whar

For Toluene:

When released into soil, may evaporate to moderate extent. When released into soil, expected to leach into groundwater. When released into soil, may biodegrade to moderate extent. When released into water, may evaporate to moderate extent. When released into water, may biodegrade to moderate extent. When released into air, may moderately degraded by reaction with photochemically produced hydroxyl radicals. When released to into air, expected to have a half-life of less than 1 day. This material is not expected to significantly bioaccumulate.

SECTION 12 - ECOLOGICAL INFORMATION CONTINUED

OXYGEN DEMAND DATA:

For Butyl Acetate:		
BOD-5:	1020 mg/g.	
BOD-20:	1450 mg/g.	
ThOD:	2207 mg/g.	
For Trade Secret ¹ :		
COD:	1.84 g/G	
	_	
PLANT EFFECTS:		
For Trade Secret ² :		
Green Algae	EC ₅₀ :	> 9 ppm.
Turnip Emergence	LC ₀ :	> 100 ppm.
Wheat & vetch Emergence	LC ₀ :	> 100 ppm.
Turnip Growth	LC ₀ :	> 100 ppm.
Wheat & vetch Growth	LC ₀ :	> 100 ppm.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

When discarded it is listed as a hazardous waste by the EPA under RCRA as U220. Incinerate liquid and diking material after addition of excess inhibitor, in accordance with Federal, State, and Local regulations.

DISPOSAL OF EMPTY CONTAINERS:

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. It is our policy to discourage the reuse of empty containers and to dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION

DOT/UN SHIPPING NAME:	FLAMMABLE LIQUID, NOS (Contains Toluene and Butyl Acetate)
DOT/UN CLASS:	3
NA/UN NUMBER:	UN 1993
PACKING GROUP:	I
NAERG:	130
LABEL:	Flammable Liquid
NMFC ITEM #:	60004, Declared Value must be filled in.
SCHEDULE B:	2902.20.0000
IMDG CLASS:	3.2
EmS:	3-07
CERCLA RQ:	For Component:
	Toluene: 1000 lbs.
	Butyl Acetate: 5000 lbs.

										Page 12
SECTION 15 - REGULATORY INFORMATION										
ITEM	TSCA	EINEC	cs	CERC	CLA	CAA	CWA	RCRA	SARA 31	3 MAK
01	Х	Х								
02	Х	Х		Х		Х	Х	U220	Х	50 ppm
03	Х	Х							Х	200 ppm
04	Х		Х			Х	Х		Х	
05	Х	Х								
06	Х	Х								
ITEM	AUSTE	RALIA	CANA	DA	CHINA	JAPA	N KORE	A PHILIP	PINE	
02	Х		Х			Х	Х	Х		
03	Х		Х			Х	Х			
04	Х		Х			Х	Х		Х	
05	Х		Х			Х	Х		Х	
06	Х		Х			Х	Х			
ITEM	CA65	FL	MA	MI	MN	NJ	PA	WA		
01	Х									
02	Х	Х	Х	Х	Х	Х	Х	Х		
03			Х	Х		Х			X X	K
04						Х	Х			
05						Х	Х			

TSCA: FOR USE IN FDA REGULATED PRODUCTS ONLY

CANADIAN WHMIS: This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS contains all the information required by the CPR.

WARNING CODE:	F – Flammable
RISK STATEMENTS:	R10 – Flammable R36/38 – Irritating to eyes and skin. R43 – May cause sensitization by skin contact
SAFETY STATEMENTS:	 S3 – Keep in a cool place. S7/8 – Keep container tightly closed and dry. S9 – Keep container in a well ventilated place. S15/16 – Keep away from heat, sources of ignition – No Smoking. S20 – When using do not eat or drink. S23 – Do not breath spray. S24/25 – Avoid contact with skin and eyes. S 29 – Do not empty into drains. S37/39 – Wear suitable gloves and eye/face protection.

HAZAI	RDOUS MATERIAL IDENTIFICATION SYSTEM (I HEALTH: FLAMMABILITY: REACTIVITY: PERSONAL PROTECTIVE EQUIPMENT:	3 3 0	ATING: and Safety Glasses or Chemical Splash Goggles.				
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:							
	HEALTH: FLAMMABILITY: REACTIVITY:	3 3 0					
ABBR	EVIATIONS:						
NA NE	Not Applicable Not Established	ND CPR	Not Determined Controlled Products Regulation				
ppm mg gm kg mm Pa	parts per million Milligram Gram Kilogram Millimeter Pascals	G L mol p	Gallon Liter Mole Micro Pico				
LC TC BOD Lo TLm	Lethal Concentration Toxic Concentration Biological Oxygen Demand Lowest Threshold Limit	LD TD COD ThOD	Lethal Dose Toxic Dose Chemical Oxygen Demand Theoretical Oxygen Demand				
H D W	Hours Days Weeks	M Y min	Months Years Minutes				
	Occupational Safety and Health Administration	Lhurioni	at				

ACGIH American Conference of Governmental Industrial Hygienist

IARC International Agency for Research for Cancer

TLV Threshold Limit Value

PEL Permissible Exposure Limit

NOEL No Observed Effect Level

SECTION 16 - OTHER INFORMATION CONTINUED

Prepared By:	Health, Safety and Environment
Reviewed By:	Technical Review
Reviewed By:	Senior Company Officer

Issue Date:

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), THE COMMONWEALTH OF PENNSYLVANIA REGULATIONS (TITLE 34. CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.