MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME: Promoted Methacrylate Liquid

PRODUCT NAME: Odorless Acrylic Nail Liquid

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

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

FOR MIXTURE:

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	2-Hydroxyethyl Methacrylate	868-77-9	60.0-100.0
02	Triethylene Glycol Dimethacrylate	109-16-0	10.0-30.0
03	N,N-Dimethyl-p-Toluidine	99-97-8	0.1-1.5
04	Polymeric Benzotriazole	NE	0.1-1.5
05	2,2-(2,5-Thiophenediyl)bis[5-tert-		
	butylbenzoxazole]	7128-64-5	0.1-1.5
06	p-Hydroxyanisole	150-76-5	30-60 ppm

	ACGI	H	OSH	Α	Company	
ITEM	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING	Recommendation	SKIN
01	NE	NE	NE	NE	NE	NE
02	NE	NE	NE	NE	NE	NE
03	NE	NE	NE	NE	NE	NE
04	NE	NE	NE	NE	1 mg/m³	NE
05	NE	NE	NE	NE	10 mg/m³	NE
06	5 mg/m ³	NE	5 mg/m³	NE	5 mg/m³	NE

See Section 16 for Abbreviations.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: For Mixture: May irritate eyes, skin and respiratory tract.

For 2-Hydroxyethyl Methacrylate:

Acute Hazards: Eyes: Liquid or high vapor concentration may cause irritation and

possibly permanent injury.

Ingestion: May be toxic. Swallowing significant amounts could cause

irritation of mouth, throat and digestive tract, central nervous

system depression.

Respiratory Tract: Liquid or high vapor concentration may cause irritation of

the nose, throat and respiratory tract; nausea; dizziness;

fatigue and headaches.

Skin: Liquid or high vapor concentration may cause irritation,

including redness and swelling. May also cause sensitization and allergic reaction in some individuals resulting in contact dermatitis, severe irritation, dryness and

cracking.

Chronic Hazards: Symptoms: Prolonged exposure may lead to headaches, nausea,

drowsiness and unconsciousness.

For Triethylene Glycol Dimethacrylate:

Acute Hazards: Eyes: Suspected irritant.

Ingestion: Slight hazard. Inhalation: Slight hazard.

Skin: Moderate irritant/allergic sensitizer.

Chronic Hazards: Eyes: Irritation may include excessive tearing, blinking and

redness.

Ingestion: May be a slight hazard is swallowed in large quantities.

Aerosols or vapors which are generated at elevated

temperatures may cause irritation. Symptoms may include

coughing, mucous production and shortness of breath.

Skin: May cause a severe reaction on repeated application. May

cause delayed irritation or blistering. Expected to be a

slight absorption hazard.

For N,N-Dimethyl-p-Toluidine:

Acute Hazards: Eyes: May cause irritation.

Ingestion: May cause methemoglobinemia.

Inhalation: Causes elevated methemoglobin in the blood. Symptoms

may include headaches, weakness and dizziness, and can be recognized by the blue color of the lips, fingernails, nose

and earlobes. Vapor or mist is irritating to mucous

membranes and upper respiratory tract.

Skin Absorption: Liquid is rapidly absorbed through skin. Absorption of this

product into the body causes the formation of

methemoglobin, which in sufficient concentration causes cyanosis, symptoms include headache, dizziness, nausea

and abdominal pain.

SECTION 3 - HAZARDS IDENTIFICATION CONTINUED

EMERGENCY OVERVIEW CONTINUED:

For N,N-Dimethyl-p-Toluidine Continued:

Chronic Hazards: In case of blue discoloration (cyanosis) of skin, lips or

fingernails give oxygen to breathe. No alcohol or physical

exertion. Contact a physician.

Medical Conditions Aggravated by Exposure: Existing cardiovascular or respiratory conditions, blood

disorders and dermatitis.

Note to Physicians: Absorption of this product leads to formation of

methemoglobin, which in sufficient concentration causes cyanosis. Reversion of methemoglobin to hemoglobin occurs spontaneously after termination of exposure, moderate degree of cyanosis need to be treated only by supportive measures such as bed rest and oxygen inhalation. Thorough cleansing of the entire contaminated area is of utmost importance. If cyanosis is severe, intravenous injection of methylene blue, 1-2 mg/kg body weight over a 5 minute period as a 1 % solution may be of value. If elevated methemoglobin persists after an hour, the treatment may be repeated, but the total dose should not

exceed 7 mg/kg body weight. Cyanocobalmin (Vitamin B-12), 1 mg intramuscularly is reported to speed recovery. Intravenous fluids and blood transfusions may be indicated

in very severe exposures.

For Polymeric Benzotriazole:

Acute Hazards: Eyes: Not expected to cause irritation.

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-existing 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 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

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.

SECTION 3 - HAZARDS IDENTIFICATION CONTINUED

EMERGENCY OVERVIEW CONTINUED:

For p-Hydroxyanisole:

Acute Hazards: Eyes: Risk of serious damage.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled, irritating to mucous membranes and

upper respiratory tract.

Skin: Harmful if absorbed through skin.

Duration: Depending on the intensity and duration of exposure, effects

may vary from mild irritation to severe destruction of tissue.

Chronic Hazards: Eyes: Prolong contact may cause eye damage.

Skin: May cause severe burns or irritation.

CARCINOGENICITY: 2-Hydroxyethyl Methacrylate contains trace amounts of

Ethylene Oxide, a substances known to the state of California to cause cancer and/or reproductive toxicity. Triethylene Glycol Trimethacrylate may contain trace quantities of substances known to the state of California to cause cancer and/or reproductive toxicity. None of the other components of this material are listed by IARC, NTP,

OSHA, or ACGIH as carcinogens.

PRIMARY ROUTES OF ENTRY: Inhalation, Skin or Eyes.

SECTION 4 - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes, including under eyelids. Get immediate medical

attention.

INGESTION: Rinse mouth out with water. Never administer anything by mouth to an unconscious

or convulsing person. Do not induce vomiting. Get immediate medical attention.

INHALATION: Remove to fresh air. Keep patient calm and resting. If difficulty breathing give oxygen.

If breathing stops give artificial respiration. Get immediate medical attention.

SKIN: Wash thoroughly with soap and water. Get medical help if blistering occurs or

redness persists.

CLOTHING: Remove contaminated clothing and shoes immediately. Wash/clean thoroughly

before reuse.

TREATMENT: Maintain airway. Provide oxygen and/or ventilation assistance, if needed. Treat

burns or allergic reactions conventionally after thorough decontamination.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 96 °C, 205 °F (Closed Cup)

109 °C , 228 °F (Open Cup)

FLAMMABLE LIMIT, AIR VOL% LOWER: NA UPPER: NA

NE

AUTOIGNITION TEMPERATURE:

EXTINGUISHER METHOD: Alcohol-resistant foam, carbon dioxide, dry chemical. Water may be

ineffective. Do not use water jet.

FIRE HAZARDS: Vapors may travel to source of ignition and flash back. Heat can

> cause polymerization with rapid release of energy which may rupture container explosively. (Spontaneous polymerization may

occur on prolonged storage.)

Fight fire from protected location. **EXPLOSION HAZARD:**

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus, and full protective gear.

Use water spray to cool containers and minimize vapors. Avoid spreading burning liquid with water used for cooling. Move containers from fire area if it can be done with out risk.

SENSITIVE TO MECHANICAL IMPACT: No.

SENSITIVE TO STATIC DISCHARGE: Yes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE: Evacuate the area. Eliminate sources of ignition. Use self-

> contained 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 area. Avoid breathing vapors. 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.

PRECAUTIONS FOR STORING: Store in cool dry place away from heat, sparks, flame and direct

> sunlight. Check inhibitor levels every three months and maintain at original level. Maintain air space inside storage containers, inhibitor requires air contact to function. Avoid conditions which remove all oxygen from the stored liquid. Do not store in aluminum and its

alloys, copper and its alloys, rusty steel, mild steel or tin.

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 Industrial Ventilation: A Manual of Recommended Practice 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, water white liquid.

ODOR: Mild ester-like odor.

pH: ND ODOR THRESHOLD: ND

BOILING POINT: 95 °C, 203 °F @ 10 mm Hg

87 °C, 187 °F @ 5 mm Hg ND

FREEZING POINT:

 REFRACTIVE INDEX:
 1.4537 @ 20 °C, 68 °F

 VISCOSITY:
 6.79 @ 20 °C, 68 °F

 POUR POINT (°C):
 Less than -60

SPECIFIC GRAVITY (H₂O=1): 1.072

VAPOR PRESSURE: 0.1 mm Hg @ 20 °C, 68 °F

PERCENT VOLATILE W/W%: 10

VAPOR DENSITY (AIR=1): >1 @ 15 °C, 59 °F

EVAPORATION RATE (BuAc =1): >1

SOLUBILITY IN WATER: Completely.

COEFFICIENT OF WATER/OIL DISTRIBUTION: 0.47

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperatures, ignition sources, oxidizing/reducing agents,

peroxides, acids, alkalis, amines, direct sunlight, aging and

contamination.

INCOMPATIBILITY (MATERIALS TO AVOID): Free radical initiators, reducing and oxidizing agents and UV light.

Material has strong solvent properties and can soften paint and

rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: Mainly Oxides of Carbon when burned.

HAZARDOUS POLYMERIZATION: MAY OCCUR: X WILL NOT OCCUR:

STABILITY: UNSTABLE: X STABLE:

SECTION 11- TOXICOLOGICAL PROPERTIES

TARGET ORGANS:

For Mixture:

For 2-Hydroxyethyl Methacrylate:

None Listed.

None Listed.

None Listed.

None Listed.

For N,N-Dimethyl-p-Toluidine: Liver, Central Nervous System, Blood and Skin.

For Polymeric Benzotriazole: Liver.

For 2,2-(2,5-Thiophenediyl)bis[5-tert-

butylbenzoxazole]: None Listed.

For p-Hydroxyanisole: Eyes. However all data in this MSDS refers to MEHQ in the dry

powder form rather than in a liquid mixture

SENSITIVITY DATA:

For Mixture: None Listed.

For 2-Hydroxyethyl Methacrylate:

Skin Human: Evidence of irritation

Skin Guinea Pig: Sensitization has been reported.

Eye Rabbit: Severe irritation to mucous membranes

Skin Rabbit: Mild Irritant.

For Polymeric Benzotriazole:

Eye Rabbit: Not an irritant.

Sensitization Guinea Pig: Strong sensitizing potential.

Skin Rabbit: Not an irritant.

For 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

Eye Rabbit: Not an irritant.

Sensitization Human: No evidence of irritation or sensitization.

Skin Rabbit: Not an irritant.

For p-Hydroxyanisole:

Skin Rabbit: Mild irritation.

SECTION 11- TOXICOLOGICAL PROPERTIES CONTINUED

MUTAGENICITY DATA:

For Mixture: None Listed.

For 2-Hydroxyethyl Methacrylate: No mutagenic activity exhibited.

For Triethylene Glycol Dimethacrylate: Mouse lymphoma studies indicate that this material may have a

mutagenic potential. However the Ames assay for mutagenicity was negative. Therefore, there is reason to believe that the mouse

lymphoma assay was a false positive.

For Polymeric Benzotriazole:

Ames: Non-mutagenic

Hamster Nucleus Anomaly: Non-mutagenic Hamster Micronucleus: Non-mutagenic

Unscheduled DNA Synthesis: Non-mutagenic

For 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

Ames Test: Non-mutagenic.

 Oral Dog:
 0 ppm.

 Oral Dog:
 500 ppm.

 Oral Dog:
 1,500 ppm.

 Oral Dog:
 5,000 ppm.

 Oral Dog:
 50,000 ppm.

Oral Dog NOEL: 1,570-1,680 mg/kg/D.

 Oral Rat:
 0 ppm

 Oral Rat:
 1,000 ppm

 Oral Rat:
 3,000 ppm

 Oral Rat:
 10,000 ppm

Oral Rat NOEL: 148-178 mg/kg/D.

REPRODUCTIVE TOXICITY DATA:

For Mixture: None Listed.

For Polymeric Benzotriazole:

Oral Rat: 2 mg/kg/before and during mating and conception.
Oral Rat: 50 mg/kg/before and during mating and conception.
Oral Rat: 100 mg/kg/before and during mating and conception.

Oral Rat NOEL: 2 mg/kg.

 Oral Rat:
 1 mg/kg/6-15D Preg.

 Oral Rat:
 30mg/kg/6-15D Preg.

 Oral Rat:
 150 mg/kg/6-15D Preg.

Oral Rat NOEL: 30 mg/kg.

 Oral Rat:
 10 mg/kg/28D.

 Oral Rat:
 50 mg/kg/28D.

 Oral Rat:
 200 mg/kg/28D.

 Oral Rat:
 1000 mg/kg/28D.

Oral Rat NOEL: 10 mg/kg/D

SECTION 11- TOXICOLOGICAL PROPERTIES CONTINUED

TOXICITY DATA

For Mixture: None Listed.

For 2-Hydroxyethyl Methacrylate:

Dermal Rabbit LD₅₀: >5000 mg/kg. Dermal Rabbit LD₅₀: >3000 mg/kg. Intraperitoneal Mouse LD₅₀: 497 mg/kg. Intraperitoneal Rat 1250 mg/kg. LD₅₀: Oral Guinea Pig LD₅₀: 4680 mg/kg. Oral Mouse LD₅₀: 5888 mg/kg. Oral Rat 22600 mg/kg. LD₅₀: Oral Rat LD₅₀: 5050 mg/kg.

For Triethylene Glycol Dimethacrylate:

Oral Mouse LD_{50} : 10750 mg/kg. Oral Rat LD_{50} : 10837 mg/kg.

For N,N-Dimethyl-p-Toluidine:

Intraperitoneal Mouse LD₅₀: 212 mg/kg.

For Polymeric Benzotriazole:

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.

For 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

Acute Oral Rat LD_{50} : > 10,000 mg/kg. Acute Inhalation Rat LC_{50} : > 1.8 mg/kg/4H.

For p-Hydroxyanisole:

SECTION 12 - ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

For Mixture: None Listed.

For 2-Hydroxyethyl Methacrylate:

Flathead Minnows LC_{50} : 227mg/L/96H. Flathead Minnows EC_{50} : 227mg/L./96H.

For Triethylene Glycol Dimethacrylate: None Found.

For Polymeric Benzotriazole:

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/14D.

For 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

Zebra fish LC_{50} : > 100 ppm/96H. Daphnia magna EC_{50} : > 100 ppm/24H.

AQUATIC REPRODUCTION:

For Polymer Benzotriazole:

Daphnia Magna EC_{50} : > 1.0 ppm/21D./

Daphnia Magna NOEL: .32 ppm.

SECTION 12 - ECOLOGICAL INFORMATION CONTINUED

BIOACCUMULATION:

For 2-Hydroxyethyl Methacrylate: Not expected to bioaccumulate.

BIOCONCENTRATION:

For Polymer Benzotriazole:

Rainbow Trout Concentration: 0.08 ppm Bioconcentration Factor: 26
Rainbow Trout Concentration: 0.5 ppm Bioconcentration Factor: 34

BIODEGRADATION DATA:

For Polymer Benzotriazole: Modified Strum Test: Not readily biodegradable, with 12-

24 % in 28 Days.

For 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

Modified Strum test: Not readily biodegradable, with 0-

4% in 28 days.

ECOTOXICITY:

For 2-Hydroxyethyl Methacrylate: Product rated practically non-toxic.

EFFLUENT TREATMENT:

For 2,2-(2,5-Thiophenediyl)bis[5-tertbutylbenzoxazole]:

Sewage Bacteria: IC_{20} : > 100 ppm. Sewage Bacteria: IC_{50} : > 100 ppm. Sewage Bacteria: IC_{80} : > 100 ppm.

MOBILITY:

For 2-Hydroxyethyl Methacrylate: Will dissolve rapidly in water.

OXYGEN DEMAND DATA:

For Polymeric Benzotriazole: COD: 1.84 g/G

PERSISTENCE/BIODEGRADABILITY:

For 2-Hydroxyethyl Methacrylate: Readily biodegradable.

PLANT EFFECTS:

For Polymeric Benzotriazole:

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: 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: PLASTICS MATERIAL, SOLUTION, NOS (Contains 2-Hydroxy Ethyl

Methacrylate and Ethylene Glycol Dimethacrylate)

DOT/UN CLASS: SUBSIDIARY RISK: NA/UN NUMBER: PACKING GROUP:

NAERG: 171P

LABEL:

NMFC ITEM #: 42650

SCHEDULE B: 2916.14.2050

IMDG CLASS: IMDG PG: EmS: CERCLA RQ:

SECTION 15 - PECHI ATORY INCORMATION

SECTION 15 - REGULATORY INFORMATION										
ITEM	TSCA	EINEC	S	CERC	LA	CAA	CWA	RCRA	SARA 313	MAK
01	X	Χ								
02	X	Χ								
03	X	Χ								
04	X	Χ							X	
05	X	Χ								
06	X	Χ		Χ					Χ	
ITEM 01 02 04 05 06	AUSTF X X	RALIA	CANA X X X X	ADA	CHINA	JAPAN X X	KOREA X X	A	PHILIPPINE X X	
ITEM 01 02 04 05 06	CA65 X X	FL X	MA X X	MI X	MN X	NJ X X X	PA X X X X	WA		

SECTION 15 - REGULATORY INFORMATION

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. All of the components of this material are listed on the Canadian DSL.

RISK STATEMENTS: R36/37/38 – Irritating to eyes, respiratory system and skin.

R43 – May cause sensitization by skin contact

SAFETY STATEMENTS: S3 – Keep in a cool place.

S7 – Keep container tightly closed.

S9 – Keep container in a well ventilated place.

S16 - Keep away from sources of ignition - No Smoking.

S20 – When using do not eat or drink.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek

medical advise.

S28 - After contact with skin, wash immediately wash with plenty of water.

S29 - Do not empty into drains.

S37/39 – Wear suitable gloves and eye/face protection.

SECTION 16 - OTHER INFORMATION

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH: 1
FLAMMABILITY: 2
REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: Gloves and Safety Glasses or Chemical Splash Goggles.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

HEALTH: 1
FLAMMABILITY: 2
REACTIVITY: 1

ABBREVIATIONS:

NA Not Applicable ND Not Determined

NE Not Established CPR Controlled Products Regulation

parts per million G Gallon ppm Milligram Liter mg L Gram Mole gm mol kg Kilogram Micro Millimeter Pico mm

Pa Pascals

SECTION 16 - OTHER INFORMATION CONTINUED

LC	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		
ACGIH IARC TLV PEL	Occupational Safety and Health Administration American Conference of Governmental Industrial International Agency for Research for Cancer Threshold Limit Value Permissible Exposure Limit No Observed Effect Level	Hygienis	t		
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.