Eastwood DO THE JOB RIGHT.

MATERIAL SAFETY DATA SHEET

Revision 1 • •March 22, 2005

EMERGENCY OVERVIEW

FLAMMABLE LIQUID. STORE AWAY FROM HEAT SOURCES. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

SECTION 1 • •CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: *The Easthill Group*
263 Shoemaker Road
Pottstown PA 19464 USA

SUPPLIER PHONE: *610-323-2200*
SUPPLIER 24hr:

SUPPLIER NUMBERS:

REVISION NUMBER: *1*
REVISION DATE: *January 6, 2005*
PRINT DATE: *March 22, 2005*

SECTION 2 • •COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PEL	NIOSH PEL	ACGIH PEL	IDLH	% WT
Methylene Chloride	*000075-09-2*	*25 ppm*	*N/E*	*50 ppm*	*2300 ppm*	*80-90*
Methyl Alcohol	*000067-56-1*	*200 ppm*	*200 ppm*	*200 ppm*	*6000 ppm*	*< 10*
Xylene	*001330-20-7*	*100 ppm*	*100 ppm*	*100 ppm*	*900 ppm*	*< 10*
Isopropyl Alcohol	*000067-63-0*	*400 ppm*	*400 ppm*	*400 ppm*	*2000 ppm*	*< 10*
Parrafin Wax	*008002-74-2*	*N/E*	*2 mg/m3*	*2 mg/m3*	*N/E*	*< 10*
Hydroxypropyl Methylcellulose	*009004-65-3*	*N/E*	*N/E*	*N/E*	*N/E*	*< 10*
Poly(oxy-1,2-ethanediyl), • •(nonylphenyl)-• •hydroxy-	*127087-87-0*	*N/E*	*N/E*	*N/E*	*N/E*	*< 10*
Triethanolamine	*000102-71-6*	*N/E*	*N/E*	*5 mg/m3*	*N/E*	*< 10*
Ammonium Hydroxide	*001336-21-6*	*N/E*	*N/E*	*N/E*	*N/E*	*< 10*

SECTION 3 • •HAZARD IDENTIFICATION

ROUTES OF EXPOSURE:

Skin Contact • •	Skin Absorption • •	Eye Contact • •	Inhalation • •	Ingestion • •

SIGNS AND SYMPTOMS OF ACUTE EXPOSURE

EYE: *Liquid contact may cause pain along with moderate eye irritation which may be slow to heal. May cause slight corneal injury. Vapors may cause irritation.*

SKIN: *Prolonged or repeated exposure may cause skin irritation, even a burn. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin. Extensive skin contact may cause an intense burning sensation followed by a cold, numb feeling which will subside after contact.*

INGESTION: *May cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, possible chemical pneumotitis, bronchopneumonia, or pulmonary odema.*

INHALATION: *Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnoea are also possible.*

OTHER HEALTH HAZARD DATA

CHRONIC EFFECTS: *Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.*

MEDICAL CONDITIONS AGGRAVATED: *May aggravate personnel with pre-existing disorders associated with any of the Target Organs.*
PRIMARY HAZARDS: *Asphyxiation (propane, isobutane), Narcosis (n-Butane), Neuropathy (methyl alcohol), Sensory Irritation (isopropyl alcohol, parrafin wax, xylene)*
CARCINOGEN DATA: *Ethyl Benzene (a component of Xylene) is listed with IARC as Class 2B (possible human carcinogen) and with ACGIH as A3 (confirmed animal carcinogen with unknown relevance to humans). It is also listed on the California Prop 65 list.*
This product also contains Methylene Chloride (MC), a substance known to the State of California to cause cancer. MC is listed with IARC as Group 2B, "Possibly Carcinogenic to Humans". NIOSH considers MC to be a "Potential Occupational Carcinogen". NTP lists MC as "Reasonably Anticipated To Be A Human Carcinogen". ACGIH lists MC as Group A3, "Animal Carcinogen". The States of Massachusetts and Pennsylvania both list MC as a Carcinogen. MC is not listed with OSHA as Carcinogenic. None of the other ingredients are considered carcinogenic by OSHA, IARC, NTP, NIOSH or ACGIH.
TARGET ORGANS: *Eyes, skin, central nervous system, cardiovascular system, gastrointestinal tract, respiratory system*
CALIFORNIA PROPOSITION 65 WARNING: *This product contains an ingredients known to the State of California to cause cancer.*

OSHA HAZARD CLASSIFICATIONS

HEALTH HAZARD CLASSIFICATION				PHYSICAL HAZARD CLASSIFICATION					
Irritant	• •	Sensitizer		Combustible		Explosive		Pyrophoric	
Toxic	• •	Highly Toxic		Flammable		Oxidizer		Water Reactive	
Corrosive	• •	Carcinogenic	• •	Compressed Gas		Organic Peroxide		Unstable	

SECTION 4 • •FIRST AID MEASURES

INGESTION: *Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth to an unconscious person.*
SKIN: *Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.*
EYE: *Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.*
INHALATION: *Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.*
NOTES TO PHYSICIAN: *After ingestion of large amount, gastric lavage may be a consideration.*

SECTION 5 • •FIRE FIGHTING MEASURES

FLASH POINT: *Non-Flammable – The primary ingredient, Methylene Chloride, has no flash point.*
FLAMMABLE LIMITS: ***Lower (LEL):*** *N/D* ***Upper (UEL):*** *N/D*
AUTOIGNITION TEMPERATURE: *N/Av*
MEANS OF EXTINCTION: *Water, CO2, dry chemical, or universal aqueous film forming foam.*
SPECIAL FIRE FIGHTING PROCEDURES: *Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.*
UNUSUAL FIRE AND EXPLOSION HAZARDS: *When liquid or vapor comes into contact with flames or red hot metal, products of combustion may be created.*

SECTION 6 • •ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: *Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Evacuate hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so.*
SPILL CLEANUP: *Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain all water run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material. Do not use combustible materials such as sawdust. Place in approved safety containers for proper disposal.*
REPORTING REQUIREMENTS: *Comply with all applicable federal, state, or local reporting requirements.*

SECTION 7 • •HANDLING AND STORAGE

HANDLING: *When using in spray application, conform to NFPA 33 Spray Applications using Flammable and Combustible Materials.*
STORAGE: *For storage of all flammable materials, conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition and heat.*

EMPTY CONTAINER WARNING: *Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.*

SECTION 8 • •EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: *General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.*
SKIN PROTECTION: *For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.*
EYE PROTECTION: *Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.*
RESPIRATORY PROTECTION: *Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, ensure compliance with any regulating code, such as OSHA 29 CFR 1910.134 in the United Sates.*
EXPOSURE LIMITS: *Since this product is a mixture, an exposure value is not available. In determination of any exposure procedures, protection, or testing, use the lowest rated ingredient from Section 2.*

SECTION 9 • •PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: ..... *N/D*
SPECIFIC GRAVITY (H_2O=1): ... *N/D*
VAPOR PRESSURE: ..... *N/D*
VAPOR DENSITY: ..... *N/D*
PHYSICAL STATE: ..... *Liquid*
PERCENT VOLATILE: ..... *N/D*
PERCENT VOC: ..... *N/D*
VISCOSITY: ..... *N/D*
APPEARANCE: ..... *Clear to White Liquid*

MELTING/FREEZING POINT: ... *N/D*
COEFF. OF WATER/OIL DIST.: .. *N/D*
pH: ..... *N/D*
EVAPORATION RATE: ..... *N/D*
WATER SOLUBILITY: ..... *N/D*
VOC CONTENT: ..... *N/D*
MIR VALUE: ..... *N/D*
ODOR THRESHOLD: ..... *N/D*
ODOR: ..... *Ethereal*

SECTION 10 • •STABILITY AND REACTIVITY

STABILITY: *Stable*
CONDITIONS TO AVOID: *Heat, sparks, flame, red hot metal*
MATERIAL INCOMPATIBILITY: *Strong oxidizers, alkali metals, alkaline earth metals, metals in powder form, nitrogen oxides, alcoholates, alkali amides, perchloric acid, nitric acid, nonmetallic oxides, oxygen, aluminum, sodium azide, chlorine, acetadehyde, ethylene oxide, acids, isocyanates.*
CONDITIONS OF REACTIVITY: *Heat, sparks, flame, red hot metal*
DECOMPOSITION PRODUCTS: *Oxides of carbon and HCl fumes, with a possibility of trace amounts of phosgene.*
HAZARD POLYMERIZATION: *Not expected to occur.*

SECTION 11 • •TOXICOLOGICAL INFORMATION

LD50 AND LC50 VALUES:

INGREDIENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Methylene Chloride	*1600 mg/kg, rat*	*N/Av*	*88 mg/l /30min, rat*
Methyl Alcohol	*5628 mg/kg, rat*	*15800 mg/kg, rabbit*	*64000 ppm(V), /4hr, rat*
Xylene	*2840 mg/kg, rat*	*4500 mg/kg, rabbit*	*5000 ppm /4hr, rat*
Isopropyl Alcohol	*5800 mg/kg, rat*	*20 g/kg, rabbit*	*76 m/m3 /4hr, rat*
Parrafin Wax	*>5000 mg/kg, rat*	*>2000 mg/kg, rabbit*	*N/Av*
Hydroxypropyl Methylcellulose	*2.83 ml/kg, rat*	*2.83 ml/kg, rabbit*	*N/Av*
Poly(oxy-1,2-ethanediyl), • •(nonylphenyl)-• •hydroxy-	*N/Av*	*N/Av*	*N/Av*
Triethanolamine	*>5000 mg/kg, rat*	*>2000 mg/kg, rabbit*	*N/Av*
Ammonium Hydroxide	*350 mg/kg, rat*	*N/Av*	*1.4 mg/l /4hr, rat*

IRRITANCY OF PRODUCT: *Methylene Chloride and Methanol are irritating to the Skin. Methylene Chloride is also irritating to the respiratory system.*

SENSITIZATION TO PRODUCT: *N/Av*
REPRODUCTIVE TOXICITY: *N/Av*
TERATOGENICITY: *N/Av*
MUTAGENICITY: *The Bacterial Ames test for Methylene Chloride was positive although the micronucleus mammal cell test was negative.*
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: *N/Av*

SECTION 12 • •ECOLOGICAL INFORMATION

OTHER ECOLOGIC DATA: *Do not allow to enter waters, waste water, or soil.*
EFFECT ON THE OZONE LAYER: *This product does not contain any ozone depleting ingredients.*

AQUATIC TOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGEAL IC50	BACTERIAL EC50
Methylene Chloride	*310 mg/l /96 hr*	*1682 mg/l /48 hr*	*>660 mg/l /48 hr*	*>1000 mg/l*
Methyl Alcohol	*15400 mg/l /96 hr*	*>10 g/l /48 hr*	*N/Av*	*N/Av*
Xylene	*14 mg/l /96 hr*	*165 mg/kg /24 hr*	*N/Av*	*N/Av*
Isopropyl Alcohol	*9460 mg/l /48 hr*	*13299 mg/l /48 hr*	*>1000 mg/l /72 hr*	*22000 mg/l*
Parrafin Wax	*N/Av*	*N/Av*	*N/Av*	*N/Av*
Hydroxypropyl Methylcellulose	*N/Av*	*N/Av*	*N/Av*	*N/Av*
Poly(oxy-1,2-ethanediyl), • •(nonylphenyl)-• •hydroxy-	*7.7 mg/l /96 hr*	*21.4 mg/l /48 hr*	*>5000 mg/l*	*N/Av*
Triethanolamine	*1000 mg/l /96 hr*	*1390 mg/l /24 hr*	*216 mg/l /72 hr*	*525 mg/l /30 min*
Ammonium Hydroxide	*0.53 mg/l /96hr*	*1.16 mg/l /48 hr*	*N/Av*	*2 mg /l /5 min*

SECTION 13 • •DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT INFORMATION: *When disposing of the unused contents, the preferred options are to send to a licensed reclaimer or to permitted incinerators. Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, on the ground, or into any body of water. Waste should be tested for ignitability to determine the applicable hazardous waste identification number.*

SECTION 14 • •TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION (United States)
PROPER SHIPPING NAME: . *Consumer Commodity*
HAZARD CLASS: . . . . . *ORM-D*
PACKAGING GROUP: . . . . . *None*
UN or ID NUMBER: . . . . . *None*

TDG SHIPPING INFORMATION (Canada)
PROPER SHIPPING NAME: . *Dichloromethane*
HAZARD CLASS: *6.1*
PACKAGING GROUP: . . . . . *III*
UN or ID NUMBER: *UN1593*

IMDG SHIPPING INFORMATION (International Ocean)
PROPER SHIPPING NAME: . *Dichloromethane*
CLASS: *6.1*
UN or ID NUMBER: *UN1593*
PACKING INSTRUCTIONS: . *P001, LP01*
EmS NO.: . . . . . *F-A, S-A*
STOWAGE: . . . . . *Category A*
MFAG NO.: *6.1-02*

ICAO/IATA SHIPPING INFORMATION (International Air)
PROPER SHIPPING NAME: *Dichloromethane*
HAZARD CLASS: *6.1*
PACKAGING GROUP: . . . . *III*
UN or ID NUMBER: *UN1593*

ADR SHIPPING INFORMATION (European Union)
PROPER SHIPPING NAME: *Dichloromethane*
HAZARD CLASS: *6.1*
PACKAGING GROUP: . . . . *III*
UN or ID NUMBER: *UN1593*

NMFC DESCRIPTION (United States)
ARTICLE: . . . . . *Cleaning Compounds, NOI*
ITEM NO.: . . . . . *48580 Sub 3*
CLASS: *55*

NORTH AMERICAN EMERGENCY RESPONSE GUIDE
ID NUMBER: *1593*
GUIDE NUMBER: *160*

SECTION 15 • •REGULATORY INFORMATION

UNITED STATES - FEDERAL

INGREDIENT	CAS NO	TSCA	RCRA	CERCLA	SARA 313	CAA	CWA
Methylene Chloride	000075-09-2	• •	U080	1000 #	82.0%	XOV	–
Methyl Alcohol	000067-56-1	• •	U154	5000 #	3.9%	XOV	–
Xylene	001330-20-7	• •	U239	100 #	3.0 %	XOV	100 #
Isopropyl Alcohol	000067-63-0	• •	–	–	–	–	–
Parrafin Wax	008002-74-2	• •	–	–	–	–	–
Hydroxypropyl Methylcellulose	009004-65-3	• •	–	–	–	–	–
Poly(oxy-1,2-ethanediyl), • •(nonylphenyl)-• •hydroxy-	009004-65-3	• •	–	–	–	–	–
Triethanolamine	000102-71-6	• •	–	–	–	–	–
Ammonium Hydroxide	001336-21-6	• •	–	1000 #	–	–	–

Per Federal Register, Vol. 52, No. 177: *Contains Methylene Chloride, which has been shown to cause cancer in certain laboratory animals. Risk to your health depends on level and duration of exposure. Use this product outdoors, if possible. If you must use it indoors, open all windows and doors or use other means to ensure fresh air movement during application and drying. Do not use in basement or other unventilated area. Clean up rags, papers, and waste promptly. Allow solvent to evaporate, then dispose of in metal containers.*

UNITED STATES - STATES

INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA
Methylene Chloride	C	•	•	• 1,2,3,4,5,6 *E*C* F7 F8	ES	ANO	•	•	•
Methyl Alcohol	–	• •	• •	2,4,5,6 F8 F9	E	ANO	•	•	•
Xylene	–	•	•	• • 2,4 F8 F9	E	ANO	•	•	•
Isopropyl Alcohol	–	–	• •	2,4,5,6 F9	E	ANO	–	–	• •
Parrafin Wax	–	–	• •	4	–	A	–	–	• •
Hydroxypropyl Methylcellulose	–	–	–	–	–	–	–	–	–
Poly(oxy-1,2-ethanediyl), • •(nonylphenyl)-• •hydroxy-	–	–	–	–	–	–	–	–	–
Triethanolamine	–	–	• •	5	–	A	–	–	–
Ammonium Hydroxide	–	• •	–	F8	E	–	•	•	•

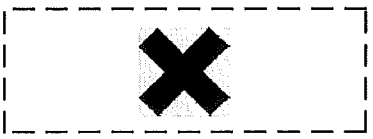
CANADA:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. All of the components in this product are listed on the Domestic Substances List (DSL).

WHMIS CLASSIFICATION: D1B, D2A, D2B

EUROPEAN UNION:

INGREDIENT	EINECS	SYMBOL	RISK PHRASES	SAFETY PHRASES
Methylene Chloride	200-838-9	Xn	40	2-23-24/25-36/37
Methyl Alcohol	200-659-6	F,Xn	11-20/21/22-68/20/21/22	7-16-36/37-45
Xylene	215-535-7	Xn	10-20/21-38	25
Isopropyl Alcohol	200-661-7	F, Xi	11-36-67	7-16-24/25-26
Parrafin Wax	232-315-6	—	—	—
Hydroxypropyl Methylcellulose	—	—	—	—
Poly(oxy-1,2-ethanediyl), • •(nonylphenyl)-• •	—	—	—	—
Triethanolamine	—	—	—	—
Ammonium Hydroxide	215-647-6	—	—	26-3637-45



SECTION 16 • OTHER INFORMATION

HMIS RATING: *Health: 3 – Flammability: 0 – Reactivity: 1 – Personal Protection: X*
NFPA RATING: *Health: 3 – Flammability: 0 – Reactivity: 1 – Special: -*

R and S PHASES (European Union):

CODE	RISK or SAFETY PHRASE
20/21/22	Irritating to eyes and respiratory system
36	Irritating to eyes
40	Limited evidence of a carcinogenic effect
67	Vapours may cause drowsiness and dizziness
68/20/21/22	Harmful: possible risk or irreversible effects through inhalation, in contact with skin and if swallowed
2	Keep out of the reach of children
7	Keep container tightly closed
9	Keep container in well ventilated place
16	Keep away from sources of ignition – No smoking
23	Do not breathe vapour
24/25	Avoid contact with skin and eyes
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
36/37	Wear suitable protective clothing and gloves
45	In case of accident or if you feel unwell, seek medical advise immediately

DISCLAIMER OF LIABILITY:
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REVISIONS:
Revision 1 - 01/06/2005 - Original