

PRODUCT SPECIFICATIONS**MANUFACTURED FOR:**

THE EASTHILL GROUP DBA/ THE EASTWOOD CO.
263 SHOEMAKER RD.
POTTSTOWN, PA 19464

DATE OF PREPARATION 12/31/08
PRINTED DATE 05/22/09
EMERGENCY: CHEM-TREC 1-800-424-9300

USA & CANADA: 1-800-345-1178

OUTSIDE USA: (610) 323-2200

TRADE NAME
1442 EASTWOOD UNDERHOOD BLACK
LACQUER (N-446)

MFG. PRODUCT NO.
10024Z

CUSTOMER :
PART NUMBER :
WEIGHT PER GALLON :
(density)

8.01 POUNDS

PERCENT SOLIDS

	BY WEIGHT	BY VOLUME
PERCENT SOLIDS	33.19	26.53
PERCENT WATER		
PERCENT SOLVENT	66.81	73.47
% EXEMPT SOLVENT		
VOC (WITH WATER AND EXEMPT SOLV):	5.35 LBS/GAL	641.14 GMS/LITER
VOC (LESS WATER AND EXEMPT SOLV):	5.35 LBS/GAL	641.14 GMS/LITER
PERCENT HAPS BY WEIGHT	63.70	
VOC LBS PER GALLON SOLIDS	20.17	
VOC KILOGRMS PER KILOGRMS SOLIDS:	2.01	
VOC HAPS LBS PER GALLON SOLIDS	19.24	
VOC HAPS LBS PER LBS SOLIDS	1.92	
FLASHPOINT (FAHRENHEIT)	40 F	
APPLICATION	SPRAY	
REDUCTION	2:1 WITH TOLUENE	
CURE	AIR DRY	
SUBSTRATE	3X6 S-Q PANEL	
COVERAGE	425.541 SQUARE FEET @ 1 MIL NO LOSS	
VISC @ 80 F	50-60#2 ZAHN CUP	
GLOSS	20-30@1 MIL	

PERCENT WATER

PERCENT SOLVENT

% EXEMPT SOLVENT

VOC (WITH WATER AND EXEMPT SOLV):

5.35 LBS/GAL 641.14 GMS/LITER

VOC (LESS WATER AND EXEMPT SOLV):

5.35 LBS/GAL 641.14 GMS/LITER

PERCENT HAPS BY WEIGHT

63.70

VOC LBS PER GALLON SOLIDS

20.17

VOC KILOGRMS PER KILOGRMS SOLIDS:

2.01

VOC HAPS LBS PER GALLON SOLIDS

19.24

VOC HAPS LBS PER LBS SOLIDS

1.92

FLASHPOINT (FAHRENHEIT)

: 40 F

APPLICATION

: SPRAY

REDUCTION

: 2:1 WITH TOLUENE

CURE

: AIR DRY

SUBSTRATE

: 3X6 S-Q PANEL

COVERAGE

: 425.541 SQUARE FEET @ 1 MIL NO LOSS

VISC @ 80 F

: 50-60#2 ZAHN CUP

GLOSS

: 20-30@1 MIL

COMMENTS

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MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

=====

HAZARD RATING 0 - MINIMAL 3 - SERIOUS
 1 - SLIGHT 4 - SEVERE
 2 - MODERATE * - CHRONIC

HMIS RATING HEALTH - * 2 FLAMMABILITY - 3 REACTIVITY - 1

SECTION I

MANUFACTURED FOR:
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PRODUCT CLASS
 SURFACE COATING

TRADE NAME
 1442 EASTWOOD UNDERHOOD BLACK
 LACQUER (N-446)

MFG PRODUCT NO.
 10024Z

SECTION II - HAZARDOUS INGREDIENTS

NT INGREDIENT	CAS#	ACGIH TLV		ACGIH STEL		OSHA PEL		OSHA CEILING		LEL % VOLUM	VAPOR PRESS mm/Hg DEG F	% BY Wght
		PPM	mg/m3	PPM	mg/m3	PPM	mg/m3	PPM	mg/m3			
C Toluene (Toluol) (skin)	VHAP 108-88-3	50.00	188.0	-----	-----	200.0	-----	300.0	-----	1.000	22.00 @ 68.	41.0
C Xylene (mixed isomers)	VHAP 1330-20-7	100.0	434.0	150.0	651.0	100.0	435.0	-----	-----	1.000	5.100 @ 68.	18.3
C Ethyl Benzene	VHAP 100-41-4	100.0	434.0	125.0	543.0	100.0	435.0	-----	-----	1.000	10.00 @ 79.	4.27
Propylene Glycol Compound	108-65-6	-----	-----	-----	-----	-----	-----	-----	-----	1.500	3.700 @ 68.	
WI Carbon Black (dust)	1333-86-4	-----	-----	-----	-----	-----	3.500	-----	-----	-----	@ ---	2.04
Amorphous Silica Gel(dust)	112926-00-8	-----	10.00	-----	-----	-----	6.000	-----	-----	-----	@ ---	

C -This toxic chemical is subject to the reporting requirements of both Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372) and the Wisconsin Dept. of Natural Resources Administrative Code Chapter NR445.

VHAP = VOLATILE HAZARDOUS AIR POLLUTANT (VAPOR)

HAP = HAZARDOUS AIR POLLUTANT (SOLID)

(skin) = OSHA Skin Absorption Hazard

VOC content determined by EPA method 24.

WI-This chemical is subject to reporting procedures outlined in the Wisconsin Department of Natural Resources Administrative Code Chapters NR438 and/or NR445.

SECTION III - PHYSICAL DATA

BOILING RANGE 230-730 F	VOC KG/KG SOLIDS=2.01	VOC (WITH WATER AND EXEMPT SOLV) = 5.35 LBS/GAL			641 GMS/LITER	
	% HAPS BY WEIGHT= 63.70	VOC (LESS WATER AND EXEMPT SOLV) = 5.35 LBS/GAL			641 GMS/LITER	
VAPOR DENSITY	EVAPORATION RATE	%VOLATILE BY WEIGHT	%VOLATILE BY VOLUME	WEIGHT PER GALLON	SPECIFIC GRAVITY	AVG SOLV DENSITY
VAPOR DENSITY HEAVIER THAN AIR	EVAPORATION RATE SLOWER THAN ETHER	66.81	73.47	8.0143	.962	7.29

SECTION IV - FIRE & EXPLOSION HAZARDS

PROPER SHIPPING NAME - PAINT, 3, UN1263, II

(FLASH POINT 0-73 DEGREES)

SHIPPING LABEL - FLAMMABLE LIQUID (3) LABEL

FLASHPOINT 40 F

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires. For large fires, use an alcohol-type or multi-purpose foam extinguishing agent. Water may be ineffective to extinguish fires involving this type of product.

UNUSUAL FIRE & EXPLOSION HAZARDS: This material is HIGHLY VOLATILE and readily gives off vapors which may travel along the ground or be moved by ventilation! Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flames. Sealed containers may explode if exposed to extreme heat. Do not apply to hot surfaces. This product may become electrostatically charged during mixing, filtering or pouring. Bond and ground metal containers.

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SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition when exposed to extreme heat. Water fog nozzle settings are preferable. A self-contained positive pressure breathing apparatus with full-face piece should be worn in addition to full firefighting safety equipment. Keep unnecessary people away, isolate hazards, stay upwind, keep out of low areas.

SECTION V - HEALTH HAZARD

EFFECTS OF OVEREXPOSURE: Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggered gait, confusion, unconsciousness, coma. There is no applicable information available regarding the carcinogen potential for this product as a whole, however any relevant information regarding any ingredient's status as a potential, suspect, or confirmed carcinogen is listed in SECTION V of the MSDS.

Prolonged and continuous exposure to excessive concentration of dust of any kind without using a dust mask may have an adverse pulmonary effect on some people. This overexposure may result in coughing, sputum, and reduced lung capacity. Pre-existing asthmatic conditions may worsen. Persons with lung diseases should not work in dusty areas unless a physician certifies their fitness to wear a respirator. (OSHA 1910.134). Liquid paint does not readily release dust. Repeated and prolonged exposure to some solvents has been associated with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating & inhaling vapors from this product may be harmful or fatal. Ingestion of alcohol can increase the effects of overexposure from some solvents in this product.

TOLUENE may be harmful to the fetus of laboratory animals. Intentional misuse by deliberate inhalation of TOLUENE has been associated with liver, kidney, nasal and brain damage. Repeated exposure to TOLUENE has been associated with high frequency hearing loss in lab animals. Acute massive exposure to toluene can cause transient hematuria and albuminuria. Cardiac arrhythmias can occur after inhalation. * Toluene is a potential chronic health hazard. Chronic overexposure may damage the liver and/or kidneys, blood cells, cause cardiac sensations, hearing effects, and/or cause birth or fertility defects in lab animals.

This product contains toluene (toluol) which is on the New Jersey and Pennsylvania Right-to-Know Lists:
benzene, methyl- CAS# 108-88-3

Exposure to XYLENE can affect the cardiovascular, pulmonary, CNS, and gastrointestinal systems. Liver enzymes, serum electrolytes, EKG and chest X-ray should be done in cases of massive exposure to xylene.

ETHYLBENZENE (CAS# 100-41-4) is present in this product. Ethylbenzene has been classified by IARC as a possible human carcinogen group 2B. * Ethylbenzene is a potential chronic health hazard and is on the New Jersey Right-to-Know list. This product contains xylenes, mixed isomers which is on the New Jersey and Pennsylvania Right-to-Know Lists.
(benzene, dimethyl-) CAS# 1330-20-7

Chronic or repeated overexposure may result in damage to the tissues of the nose and upper respiratory tract.

This product contains propylene glycol monomethyl ether acetate which is on the Pennsylvania Right-to-Know List.
CAS#108-65-6 (2-methoxy-1-methylethyl acetate)

This product contains Carbon Black, which is currently listed by OSHA and ACGIH as a nuisance dust hazard. Based upon an IARC study, there is sufficient evidence that carbon black is a carcinogen to lab animals, therefore carbon black is a class 2B carcinogen, possibly carcinogen to humans. Carbon black is not listed by NTP, OSHA, EPA or NIOSH as a carcinogen.

Exposure Limits For Carbon Black (dust): (CAS# 1333-86-4) OSHA(PEL): TWA = 3.5 mg/m3. ACGIH(TLV): TWA = 3.5 mg/m3.

Overexposure or excessive contact to dust from this product can cause drying of mucous membranes of nose, eyes, and throat due to absorption of moisture and oils. This product can also cause nasal irritation and nosebleeds. Eye contact with powder dusts can result in mild irritation. Persons with lung diseases should not work in dusty areas unless a physician certifies their fitness to wear a respirator.

This product contains amorphous silica gel or precipitated silica containing 0% crystalline silica. Prolonged contact or overexposure to amorphous silica dust may cause drying of the mucous membranes and the skin.

Exposure Limits for Silica-Amorphous: (CAS# 112926-00-8) (Silica, Silica Gel) OSHA (PEL): TWA = 6mg/m3 (total dust)
ACGIH(TLV): TWA =10mg/m3 (total dust).

Exposure Limits For Inert and Nuisance Dust Particulates Not Otherwise Classified: OSHA (PEL): TWA =15 mg/m3 (total dust)
5 mg/m3 (respirable fraction). ACGIH(TLV): TWA = 10 mg/m3 (total dust).

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Preexisting eye, skin, central nervous system, digestive tract, and respiratory tract. May adversely affect persons with liver, kidney & blood forming organ disorders.

ROUTE(S) OF ENTRY: Inhalation, skin contact absorption, eye contact. Products that are free-flowing liquids or pastes are not expected to have routes of exposure for dust. Dried product residue may exhibit dust inhalation hazards.

INHALATION: May cause moderate irritation to the respiratory tract. Overexposure may have toxic and/or narcotic effects. May cause congestion, headache, dizziness, weakness, nausea, and/or drowsiness. FIRST AID: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and get emergency medical assistance.

EYE CONTACT: Liquids or vapors may cause severe irritation and/or chemical burns to the eyes. Chronic overexposure may cause eye damage, conjunctiva or corneal injury. FIRST AID: Immediately flush eyes and eyelids with large amounts of water for 15 min. Hold eyelids apart to ensure flushing of the entire area. Get prompt medical attention.

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SKIN CONTACT: May cause moderate to severe skin irritation. May cause burning sensations, defatting and/or dermatitis. Chronic overexposure may cause skin cracking and/or eczema. FIRST AID: Remove contaminated clothing and shoes. Wash area with soap and water. Get medical attention as needed.

SKIN ABSORPTION: May be absorbed through skin tissues. Chronic overexposure to the skin without using protective barriers (gloves, aprons, etc.) may cause toxic effects.

INGESTION: Single dose oral toxicity is low. May cause irritation to the gastrointestinal tract. Ingestion may cause nausea, discomfort, diarrhea, dizziness and vomiting. FIRST AID: DO NOT INDUCE VOMITING! Contents of this product pose an inhalation hazard. If aspirated into the lungs, may cause chemical pneumonitis and/or pulmonary edema which can be fatal. Never leave individual unattended, keep head low to prevent aspiration. SEEK IMMEDIATE MEDICAL ATTENTION!

SECTION VI - REACTIVITY DATA

STABILITY: ____UNSTABLE _XX_STABLE

INCOMPATIBILITY (Materials to avoid): Keep away from all oxidizing materials, avoid strong acids & alkalis (caustics) and never distill solvents to dryness. Material can react violently under such conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, incompletely burned hydrocarbons, acrylate monomers and other irritating or toxic vapors.

HAZARDOUS POLYMERIZATION: ____May Occur _XX_Will Not Occur

CONDITIONS TO AVOID: Container is not a pressure vessel. Never use pressure to empty. Do not drag, puncture or drop container (prevent sparking). Dust particles from this product may pose a flammable or explosion hazard. Avoid dust accumulations. Containers should be grounded.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition(flames), electrical static or frictional sparks. Provide good ventilation to spill area. Dike spill area and add inert absorbent. Remove spilled material with non-sparking tools. Avoid breathing vapors and use respirator protective devices (SEE SECTION VIII). Only properly trained personnel should clean spilled hazards. Follow local, state and federal spill notification rules.

WASTE DISPOSAL: Waste must be disposed in accordance with local, state, provincial and/or federal regulations. Empty containers must be handled with care as they contain product residue. Before disposing any container, remove as much residue as possible. Waste liquid or dried product should be incinerated at an approved treatment/disposal facility. Do not reuse containers unless they are properly recycled.

SECTION VIII - SAFE HANDLING & USE INFO

RESPIRATORY PROTECTION: In outdoor or open areas with unrestricted ventilation, use NIOSH approved dust mask to protect from overspray or solid airborne particulates. In restricted areas, use a NIOSH approved combination organic vapor and particulate respirator. Reference OSHA 1910.134 for specific guidelines. In confined areas use an airline respirator hood, supplied air respirator or self contained breathing apparatus. See OSHA 1910.146 for more details.

VENTILATION: Provide sufficient ventilation to keep hazards at levels below current ACGIH TLV and OSHA PEL of the most hazardous ingredient in SECTION II. Solvent vapors must be removed from the lower levels of work areas and all ignition sources eliminated. Remove decomposition products formed by welding or flame cutting coated surfaces. Dust and particle hazards are elevated during sanding, grinding, or surface preparation of previously coated surfaces.

SKIN PROTECTION REQUIREMENTS: Chemical resistant gloves are recommended. Use neoprene, nitrile, or butyl rubber. Cover as much of the exposed skin as possible with appropriate impervious clothing. If skin creams are used, keep the area protected by the cream to a minimum. Do not use skin creams to protect skin when working with acids or acid catalysts.

EYE PROTECTION: Eye protection should be worn in any type of industrial operation. The use of chemical goggles and a full face shield to prevent splash from liquids is recommended. Contact lenses should not be worn.

OTHER PROTECTIVE EQUIPMENT: The use of chemical resistant protective suit is suggested. Avoid any skin contact with vapors, mists, or spray. Prevent contact of materials with clothing if possible. Remove and wash contaminated clothing before re-use. Use an industrial type professional cleaning service, do not wash at home. Do not wear contaminated clothing or shoes away from the workplace. Leather products contaminated with this product should be discarded.

HYGIENIC PRACTICES: Emergency eye wash stations and safety showers are recommended. Wash hands prior to eating, using the washroom or smoking. Precautions must be taken so that persons handling this product do not breathe the vapors or have it contact the skin or eyes. In spray operations, protection must be afforded against exposure to both vapor and spray mist.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store large quantities in buildings designed and protected for storage of flammable liquids. Reference storage conditions in OSHA 1910.106. Avoid high temperature areas and open flames. Do not store above 120 F. Keep closures tight and container upright to avoid leakage.

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OTHER PRECAUTIONS: Maintain a clean work area. Use only in a well ventilated area. VHAP=VOLATILE HAZARDOUS AIR POLLUTANT
CAUTION! DO NOT TAKE INTERNALLY. Avoid breathing vapor/dust.

NOTICE: The HMIS rating for this material involves data and interpretations compiled from the various material suppliers of the component ingredients. This information will vary from supplier to supplier. The rating is intended for rapid and general identification of this product's hazards. To adequately deal with the safe handling of this material, all information contained in the MSDS must be reviewed as part of an ongoing Hazard Communication Program.

This product complies with the Toxic Substances Control Act (TSCA) 40 CFR 700-799. The Material Safety Data Sheet (MSDS) complies with 29 CFR 1910.1200, Hazardous Communication Std. In the event of a TRANSPORTATION RELATED INCIDENT involving this product, CALL 1-800-688-4005. VOC content is determined by EPA method 24.

WARNING! Sudden release of hot organic chemical vapors from equipment operating at elevated temperatures or sudden introduction to vacuum conditions may result in vapor ignition.

WARNING! This product contains chemicals known to the State of California to cause cancer or reproductive harm.

SARA Title III: This product is regulated under Section 311- 312 (40CFR370): Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard, Fire Hazard.