

# Material Safety Data Sheet

According to ANSI Z400.1-2003

Date Printed: 04-26-2007

## Section 1 - Product and Company Information

**Product Name: Black Cat Catalyzed Waterborne Primer Surfacer**

**DISTRIBUTED BY:**

The Easthill Group  
dba/ The Eastwood Company  
263 Shoemaker Road  
Pottstown, PA 19464

USA & Canada: 800-345-1178  
Outside USA: 610-323-2200

**EMERGENCY CONTACT:**  
Chem-Trec 800-424-9300

## Section 2 - Hazards Identification

**Appearance:** Black Liquid

**Odor:** Characteristic

**Hazards of Product:**

CAUTION! Irritating to eyes, respiratory system and skin

**Signal Word:** CAUTION!

**Signal Word Hazard:** Irritant - moderate respiratory

**HMIS Rating (Scale 0 - 4)**

<b>HEALTH</b>	<b>2</b>	Health = 2
<b>FIRE</b>	<b>1</b>	Fire = 1
<b>PHYSICAL</b>	<b>0</b>	Physical = 0
<b>PERSONAL PROTECTION</b>	<b>E</b>	Personal Protection = E

**NFPA Ratings**



## Potential Health Effects

<b>Eye Contact:</b>	Moderate irritation, redness, blurred vision.
<b>Skin Absorption:</b>	Moderate irritation, vomiting, diarrhea
<b>Inhalation:</b>	Nasal and respiratory irritation, headache, nausea.
<b>Ingestion:</b>	Gastrointestinal irritation, vomiting, diarrhea

## Section 3 - Composition/Information on Ingredients

Component	CAS #	Amount
Glycol Ether PM (Propylene Glycol Monoethyl Ether)	107-98-2	0-5%
Aqua Ammonia	7664-41-7	<1%
Nepheline Syenite	37244-96-5	12% - 18%
Talc	14807-96-6	8%-10%
Carbon Black	1333-86-4	0-5%
Dibutyl Phthalate	84-74-2	<2%
C6-C13 Acetate	108419-32-5	1-5%

## Section 4 - First-Aid Measures

**Eye Contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**Skin Contact:** Immediately wash with water and soap and rinse thoroughly.

**Inhalation:** In case of unconsciousness place patient stably in side position for transportation

**Medical Conditions Aggravated by Exposure:** Dermatitis

## Section 5 - Fire Fighting Measures

**Extinguishing Media:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Fire Fighting Procedures:** Thermal decomposition may generate toxic gases. Self-contained breathing apparatus with a full face piece operated in pressure demand is recommended. Water spray may be used to cool containers exposed to heat

**Special Protective Equipment for Firefighters:** No special measures required.

**Unusual Fire and Explosion Hazards:** Keep vapors away from possible ignition sources.

## Section 6 - Accidental Release Measures

**Steps to be Taken if Material is Released or Spilled:** Absorb spilled material with vermiculite. Allow volatile portion to evaporate completely.

**Personal Precautions:** Not required

**Environmental Precautions:** Do not allow to enter sewers/ surface or ground water.

## Section 7 - Handling and Storage

**General Handling:** Keep out of reach of children. Keep containers closed when not in use. Do not transfer contents to other containers.

**Other Precautions:**

**Storage:** Store in cool, dry, well ventilated areas. Keep closure tight and containers upright to prevent leakage.

## Section 8 - Exposure Controls / Personal Protection

Component	Source	Type	Value	Remarks
Aqua Ammonia	ACGIH	TLV	35 ppm	STEL
Aqua Ammonia	ACGIH	TLV	25 ppm	TWA
Aqua Ammonia	OSHA	PEL	50 ppm	TWA
Carbon Black	NIOSH	REL	3.5 mg/m3	TWA
Carbon Black	ACGIH	TLV	3.5 mg/m3	TWA
Carbon Black	OSHA	PEL	3.5 mg/m3	TWA
Dibutyl Phthalate	OSHA	PEL	5 mg/m3	TWA
Dibutyl Phthalate	ACGIH	TLV	5 mg/m3	TWA
Glycol Ether PM (Propylene Glycol Monoethyl Ether)	ACGIH	TLV	150 ppm	STEL (15 min.)
Glycol Ether PM (Propylene Glycol Monoethyl Ether)	ACGIH	TLV	100 ppm	TWA (8 hours)
Talc	ACGIH	TLV	2 mg/m3	TWA
Talc	OSHA	PEL	20 mppcf	TWA

### Personal Protection

**Eye/Face Protection:** Goggles or side-shielded safety glasses.

**Skin Protection:** Neoprene or butyl rubber gloves.

**Respiratory Protection:** Use of a NIOSH approved chemical/mechanical filter, designed to remove a combination of particulates and vapor if application is by spraying.

**Hygienic Measures:** Wash hands before eating, smoking or using the bathroom

**Other Protection Measures:** To prevent repeated or prolonged skin contact, wear impervious clothing and boots. Wash contaminated clothing before re-use.

**Engineering Controls:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

## Section 9 - Physical and Chemical Properties

**Appearance:** Black liquid. Light Solvent odor.

**Color:** Black

**Odor:** Characteristic

**Flash Point:** 225F

**Boiling Point:** Undetermined

Vapor Density: Ligher than air  
Specific Gravity: 1.21  
Melting Point: Undetermined  
Solubility in Water: Stable

## Section 10 - Stability and Reactivity

**Stability/Instability:** Stable

**Conditions To Avoid:** Exposure to excessive heat. Use oldest material first.

**Incompatible Materials:** Oxidizing agents, strong acids

**Hazardous Polymerization:** Will occur

**Hazardous Decomposition Products:** N/A

## Section 11 - Toxicological Information

**Acute Toxicity**

**Ingestion**

1-5%

**Skin Absorption**

1-5%

**Inhalation**

1-5%

**Repeated Dose Toxicity**

No sensitizing effects known

**Skin Irritation**

Irritant to skin and mucous membranes

## Section 12 - Ecological Information

**CHEMICAL FATE**

**ECOTOXICITY**

Water hazard class 1 (self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

## Section 13 - Disposal Considerations

**Disposal Method:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of in accordance with local, state, and federal regulations. Do not contaminate lakes, streams, or other water supply.

**Container Disposal:** Disposal must be made according to official regulations.

## Section 14 - Transport Information

DOT

## Section 15 - Regulatory Information

**Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

The following table list hazardous components and the regulatory lists for which they are required to be reported.

Component	CAS #	Amount	SARA 313 Listed	Know to California to cause cancer	Pennsylvania Hazardous Substance List	Massachusetts Hazardous Listed	Rhode Island Listed	CERCLA	EPA Cancerogenity	IARC Cancerogenity	NTP Cancerogenity	TLV Canerogenity	NIOSH Cancerogenity	OSHA Cancerogenity
Talc	14807-96-6	8%-10%	•							•		•		

## Section 16 - Other Information

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### Legend

ACGIH	American Conference of Governmental Hygienists
CFR	Code of Federal Regulations
DFG	Deutsche Forschungsgemeinschaft
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MAK	Maximum Allowable Concentration (German)
MSDS	Material Safety Data Sheet
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
RCRA	Resource Conservation and Recovery Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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According to ANSI Z400.1-2003

Date Printed: 04-26-2007

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### Product Name: Catalyst 3 for Waterborne Formulations

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dba/ The Eastwood Company  
263 Shoemaker Road  
Pottstown, PA 19464

USA & Canada: 800-345-1178  
Outside USA: 610-323-2200

**EMERGENCY CONTACT:**  
Chem-Trec 800-424-9300

## Section 2 - Hazards Identification

**Appearance:** Clear yellow liquid**Odor:** Mild Amine**Hazards of Product:**

GASTROINTESTINAL IRRITANT. RESPIRATORY SENSITIZER. SKIN IRRITANT. RESPIRATORY IRRITANT. SKIN SENSITIZER. EYE CORROSIVE.

**HMIS Rating (Scale 0 - 4)**

<b>HEALTH</b>	<b>* 3</b>	Health = 3
<b>FIRE</b>	<b>1</b>	Fire = 1
<b>PHYSICAL</b>	<b>1</b>	Physical = 1
<b>PERSONAL PROTECTION</b>	<b>G</b>	Personal Protection = G

**NFPA Ratings**

Safety Glasses



Gloves



Vapor Respirator

## Potential Health Effects

**Eye Contact:** Contact with skin may be harmful. May cause allergic skin reaction.

**Skin Contact:** This product is a moderate skin irritant based on animal studies. This product induced skin sensitization in an animal study. This product may induce skin sensitization in humans.

**Skin Absorption:** May cause allergic skin reaction.

**Skin Sensitization:** This product induced skin sensitization in an animal study. This product may induce skin sensitization in humans.

**Inhalation:** Vapor or mist may cause headaches, nausea, and irritation of nose, throat and lungs.

**Ingestion:** Pain or discomfort in the mouth, chest and abdomen. Nausea, vomiting, diarrhea, dizziness, drowsiness, faintness, weakness and collapse.

**Repeated Exposure:** Aziridine based crosslinkers caused mutations and chromosomal aberrations in several in vitro and in vivo genotoxicity studies. Based on these studies and animal carcinogenicity data on similar substances, this material should be treated as a possible carcinogen.

## Section 3 - Composition/Information on Ingredients

Component	CAS #	Amount
Polyfunctional x-linker	6426-57-2	99-100%
Polyfunctional x-linker	6426-57-2	99-100%
Polyfunctional x-linker	6426-57-2	99-100%

## Section 4 - First-Aid Measures

**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

**Skin Contact:** Wash off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Consult medical personnel. If breathing is labored, give oxygen.

**Ingestion:** Do not induce vomiting. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

**Notes to Physician:** Medical personnel should evaluate persons with chronic pulmonary disease before those workers handle this product.

**Medical Conditions Aggravated by Exposure:** N/A

## Section 5 - Fire Fighting Measures

**Extinguishing Media:** Water fog, foam, carbon dioxide, dry chemical, halogenated agents. Water may be used to cool closed containers to prevent pressure buildup.

**Special Protective Equipment for Firefighters:** Wear self-contained breathing apparatus with full face piece and full protective clothing. If contact occurs with material or its solutions, immediately flush with water and remove contaminated clothing.

**Unusual Fire and Explosion Hazards:** Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries.

## Section 6 - Accidental Release Measures

**Steps to be Taken if Material is Released or Spilled:** Contain spill. Soak up material with absorbent and shovel into a chemical waste container. Decontaminate with 1% acetic acid solution or one part white vinegar to four parts water.

**Personal Precautions:** Wear skin, eye, and respiratory protection during cleanup.

**Environmental Precautions:**

## Section 7 - Handling and Storage

**General Handling:** Open containers in a well-ventilated area to avoid exposure to residual propyleneimine that may have collected in headspace. Avoid breathing vapors or aerosols. Prevent skin and eye contact. A sensitized individual should not be exposed to the product which caused the sensitization.

**Other Precautions:**

**Storage:** Keep containers tightly sealed. Store in a cool, well ventilated area away from heat, sources of ignition, direct sunlight, and incompatible materials.

## Section 8 - Exposure Controls / Personal Protection

Component	Source	Type	Value	Remarks
2-methylaziridine	OSHA Z1	PEL	2 ppm 5 mg/m3	Can be absorbed through the skin
2-methylaziridine	NIOSH	REL	2 ppm 5mg/m3	

### Personal Protection

**Eye/Face Protection:** Wear chemical tight goggles and full face shield.

**Skin Protection:** Take all precautions to prevent skin contact. Use gloves, arm covers and apron determined to be impervious under the conditions of use. Additional protection, such as full body suite and boots may be required depending on conditions. Remove contaminated clothing and wash before rewearing. Wash separately from other laundry.

**Respiratory Protection:** Where engineering measures are not feasible or to provide supplementary respiratory protection, NIOSH certified full facepiece supplied-air respirators provide the highest protection. Where the use of supplied-air respirators is not feasible, NIOSH certified full facepiece air purifying respirators equipped with high efficiency filters may be used. All respirator use should be managed under a respiratory protection program meeting the requirements of 29CFR1910.134.

**Hygienic Measures:** Eyewash station and safety shower must be readily available in work area.

**Engineering Controls:** This product has a very low vapor pressure, precluding significant inhalation exposure under normal conditions, used which may generate aerosol mists, such as spray application, need to be well controlled to prevent significant inhalation exposure which presents serious health risks such as respiratory sensitization. Where aerosol mists may be generated, the operation should be enclosed as much as possible, with extraction ventilation provided at any required openings. A properly engineered spray booth, equipped with downdraft or lateral flow ventilation, is a possible engineering control measure. Air exhausted for the enclosure should be filtered and discharged to a safe location, preferably outdoors.

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## Section 9 - Physical and Chemical Properties

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<b>Appearance:</b>	Opaque, medium viscosity, pourable liquid
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Mild amine
<b>ph:</b>	basic
<b>Flash Point:</b>	> 100°C (>212°F)
<b>Boiling Point:</b>	<100C
<b>Vapor Density:</b>	Lighter than air
<b>Specific Gravity:</b>	1.068
<b>Solubility in Water:</b>	Soluble

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## Section 10 - Stability and Reactivity

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**Conditions To Avoid:** Avoid contamination with acidic materials, heat, direct sunlight, ultraviolet radiation, strong oxidizing conditions and freezing conditions. Unstable at elevated temperatures and pressures, or may react with water or acids with some release of energy, but not violently.

**Incompatible Materials:** Acidic materials, anhydrides, strong oxidizers.

**Hazardous Polymerization:** May occur if mixed with acidic materials.

**Hazardous Decomposition Products:** Carbon oxides, Nitrogen oxides

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## Section 11 - Toxicological Information

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### Acute Toxicity

#### Ingestion

99-100%

#### Skin Absorption

99-100%

#### Inhalation

99-100%

#### Sensitization

Known human skin sensitizer based on human experience. Known respiratory sensitizer.

#### Chronic Toxicity and Carcinogenicity

Aziridine based crosslinkers caused mutations and chromosomal aberrations in several in vitro and in vivo genotoxicity studies. Based on these studies and animal carcinogenicity data on similar substances, this material should be treated as a potential carcinogen.

#### Corrosivity

Corrosive to the eyes

#### Eye Irritation

Eye corrosive based on animal studies.

#### Skin Irritation

Moderate skin irritant based on animal studies.

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## Section 12 - Ecological Information

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### CHEMICAL FATE

### ECOTOXICITY

No data

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## Section 13 - Disposal Considerations

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### Disposal Method:

Incinerate in approved facility. Do not incinerate in closed containers. Dilute with clean low viscosity fuel. Untreated material should not be released to the environment. Discarded product is not a hazardous waste under RCRAA, but may be regulated by other jurisdictions.

**Container Disposal:** Empty container contains potentially hazardous residue. Observe all hazard precautions. May contain corrosive material. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product from container and puncture or otherwise destroy empty container before disposal.

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## Section 14 - Transport Information

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### DOT

**Proper Shipping Name:** Not Regulated by US DOT

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## Section 15 - Regulatory Information

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Polyfunctional aziridine	64265-57-2	99.7%		•										

## Section 16 - Other Information

### Legend

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OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
CFR	Code of Federal Regulations
NIOSH	National Institute for Occupational Safety and Health
REL	Recommended Exposure Level
RCRA	Resource Conservation and Recovery Act
NFPA	National Fire Protection Association
HMIS	Hazardous Materials Identification System
ACGIH	American Conference of Governmental Hygenists
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DFG	Deutsche Forschungsgemeinschaft
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