



DO THE JOB RIGHT.

DATE ISSUED:	12/07/2016
Version No.:	21854-3

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME: Eastwood 4:1Urethane Activator**

PRODUCT CODE: 21854ZP Half Pint

PRODUCT USE: FOR PROFESSIONAL USE ONLY

**MANUFACTURED FOR:**

The Easthill Group  
dba The Eastwood Company  
263 Shoemaker Road  
Pottstown, PA 19464  
USA: 1-800-345-1178 or (610) 323-2200 CANADA: 1-800-820-9042

**24 HR. EMERGENCY TELEPHONE NUMBER:**

Only in the Event of a Chemical Emergency Involving A Spill, Leaks, Fire, or Exposure  
Call Chemtrec Toll Free Day or Night: 1-800-424-9300 International Call Collect: (202) 483-7616

### 2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

**CLASSIFICATION:**

FLAMMABLE LIQUIDS - Category 2  
ACUTE TOXICITY: Inhalation - Category 4  
SKIN SENSITIZER: Category 1  
EYE IRRITATION: Category 2  
SPECIFIC TARGET ORGAN TOXICITY: SINGLE EXPOSURE - Category 3

**GHS label elements**

**PICTOGRAMS**



**SIGNAL WORD: Danger**

**HAZARD STATEMENTS:** Highly flammable liquid and vapor. May cause an allergic skin reaction. Harmful if inhaled. Causes serious eye irritation. May cause respiratory irritation, drowsiness or dizziness.

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:** Read all warning statements on all labels for this and any other products to be mixed with it prior to use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, and other tools or equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust, fumes, gas, mist, vapors or spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Use personal protective equipment as required, (see Section 8). Wear protective gloves, protective clothing, eye and face protection. Wear an appropriate, properly fitted fresh air supplied respirator (NIOSH-approved TC19 or equivalent) during and after application, and until all organic solvent vapors and spray mists are exhausted, or any time airborne contaminant levels exceed exposure limits indicated in Section 8. If medical advice is needed, have product container or label at hand. Avoid release to the environment, if spilled contain material with inert absorbent. Keep out of reach of children and pets at all times.

**RESPONSE:** IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with plenty of water/shower. If skin irritation or rash occurs: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing. If eye irritation persists: Get medical attention. Call a POISON CENTER, doctor or physician if you feel unwell.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction, do not use water, see Section 5.

**STORAGE:** Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

**DISPOSAL:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Range % by Wt
* HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	25 – 50 %
* 4-METHYL-2-PENTANONE	108-10-1	10 – 50 %
2-HEPTANONE	110-43-0	10 – 25 %
N-BUTYL ACETATE	123-86-4	2.5 – 10 %
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6	1.0 – 2.5 %

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**4. FIRST AID MEASURES**

**EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, check for and remove contact lenses. Seek immediate medical attention.

**SKIN:** Remove contaminated clothing. Immediately flush exposed area with large amounts of water. If symptoms occur or persist, seek medical attention. Wash clothing separately and clean shoes before reuse.

**INGESTION:** Do NOT induce vomiting. Seek immediate medical attention, contact physician or poison control center. Never give anything by mouth to an unconscious person.

**INHALATION:** Seek immediate medical attention. Remove from exposure to fresh air. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel; rescuers should put on appropriate protective gear. To prevent aspiration, keep head below knees.

**NOTES TO PHYSICIAN:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Symptoms of poisoning may appear several hours after exposure. Information on toxicological effects listed in Section 11.

**5. FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Alcohol-resistant Foam. Do not use water, material will float and may ignite on surface of water.

**FIRE FIGHTING PROCEDURES:** Fight as volatile liquid fire. Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Eliminate all sources of ignition. Evacuate unnecessary personnel. Do not use water. Material will float and may ignite on surface of water. Use water spray to cool containers with caution, avoid spreading burning liquid. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Highly flammable liquid and vapor. May cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. This material may be ignited by heat, sparks, flame or static electricity. Closed containers may explode when exposed to extreme heat. Empty containers retain product 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. Never use welding or cutting torch on or near container (even empty) because product (even just residue) can ignite explosively. Do not reuse container.

**6. ACCIDENTAL RELEASE MEASURES**

**ENVIRONMENTAL PRECAUTIONS:** Avoid runoff and contact with soil, drains, sewers and waterways. Contact appropriate authority if spill if in excess of reportable quantity, in compliance with local/regional/national regulations.

**PERSONAL PRECAUTIONS:** Eliminate all ignition sources. No smoking, do not use flares. Contact emergency personnel. Evacuate the spill area and keep unnecessary, unprotected personnel away. Do not breathe vapors, use suitable personal protective equipment. Do not touch or walk through spilled material. Prevent additional discharge of material if able to do so safely. Ventilate spill area.

**METHOD OF CLEANING UP:** For small spills, add absorbent (dry sand or soil may be used in the absence of other non-combustible suitable materials) and use a non-sparking or explosion-proof means to transfer material to an appropriate waste container for disposal. For large spills, dike spilled material, or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in a chemical waste container for disposal using non-sparking tools.

Dispose of spilled material and contaminated absorbent material in compliance with local and national regulations, use a licensed waste disposal contractor, see Section 13.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** Use only in a well ventilated area, with appropriate personal protective equipment, (see section 8). Do not eat, drink or smoke when handling this material. Wash hands and face before eating, drinking or smoking. Do not breathe vapor, fumes or mist. Do not get in eyes, or on skin, or clothing.

Always open containers slowly to allow any excess pressure to vent. Containers should be grounded when pouring. Take precautionary measures against static discharge. When transferring, follow proper grounding procedures. Use spark-proof tools and explosion proof equipment.

This material is part of a multiple component system, read the Safety Data Sheet(s) for all components before mixing, as the mixture will have the hazards of all of its parts. Empty containers retain product residue and can be hazardous. Do not reuse container.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** Store in accordance with local regulations. Store locked up. Keep container closed when not in use. Isolate from heat, flame, sparks, pilot lights, smoking materials and other sources of ignition. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated, explosion proof area. Protect from direct sunlight. KEEP OUT OF REACH OF CHILDREN AND PETS AT ALL TIMES.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Chemical Name	CAS Number	Exposure Limits
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	Data not available
4-METHYL-2-PENTANONE	108-10-1	ACGIH TWA 20 PPM OSHA PEL TWA 100 PPM
2-HEPTANONE	110-43-0	ACGIH TWA 50 PPM OSHA PEL TWA 100 PPM
N-BUTYL ACETATE	123-86-4	ACGIH TWA 150 PPM OSHA PEL TWA 150 PPM
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6	Data not available

**ENGINEERING CONTROLS:** Provide explosion proof exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**SKIN:** Wear impervious gloves to prevent contact with the skin. Where contact is likely, wear chemical resistant gloves, a chemical suit, long sleeves, rubber boots, and chemical safety goggles plus a face shield.

**RESPIRATORY:** Wear an appropriate, properly fitted fresh-air supplied respirator, (NIOSH-approved TC-19C or equivalent), during and after application, until all organic vapors and spray mists are exhausted or any time airborne contaminate levels exceed exposure limits. Follow respirator manufacturer's directions and observe OSHA regulations for respirator use (29 CFR 1910.134).

**WORK HYGIENIC PRACTICES:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash them separately before reuse. Wash thoroughly after handling. Wash hands before eating. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**COLOR:** Clear liquid

**ODOR:** Typical

**ODOR THRESHOLD:** Not available

**pH:** Not available

**MELTING POINT:** Not applicable

**BOILING RANGE:** 220 – 340°F

**FLASH POINT AND METHOD:** 65°F TCC

**EVAPORATION RATE:** Not available

**FLAMMABILITY (Solid/Gas):** Not applicable

**EXPLOSIVE LIMITS, (vol %):** 1.4 – 7.5

**VAPOR PRESSURE:** Not available

**VAPOR DENSITY:** Not available

**DENSITY (g/cm<sup>3</sup>):** .964

**% SOLUBILITY IN WATER:** Not available

**OCTANOL/WATER PARTITION COEFFICIENT:** Not available

**AUTO-IGNITION TEMPERATURE:** Not available

**DECOMPOSITION TEMPERATURE:** Not available

**VOLATILE WEIGHT:** 100.0

**VOLATILE VOLUME:** 100.0

**EXEMPT V.O.C. WT %:** 0.00

**EXEMPT V.O.C. VOL %:** 0.00

**REGULATORY V.O.C.:** 491 grams/liter (4.1 lbs/gl)

**ACTUAL V.O.C.:** 491 grams/liter (4.1 lbs/gl)

**10. STABILITY AND REACTIVITY****HAZARDOUS POLYMERIZATION:** Not determined**CONDITIONS TO AVOID:** Avoid impact or friction. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke; extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, tools, appliances and any other possible sources of ignition prior to spray application, during use and until all vapors are exhausted from the area. Minimize exposure to air.**CHEMICAL STABILITY:** Not determined**HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. Decomposition releases nitrogen oxides. Isocyanate-containing vapors are a hazardous decomposition product.**INCOMPATIBLE MATERIALS:** Prevent contact with strong oxidizing agents, aldehydes, inorganic acids and halogens. Avoid contact with moisture and/or water, metals, amines, concentrated sulfuric or nitric acid and alcohols. Keep away from strong bases and acids.**11. TOXICOLOGICAL INFORMATION**

This product has not been tested as a whole, individual component data, (where available), is listed below:

**HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE (28182-81-2)**

Acute Dermal Toxicity	LD50: >2,000 mg/kg	
Acute Inhalation Toxicity	LC50: >10. mg/l	Toxic if inhaled.
Acute Oral Toxicity	LD50: >2,000 mg/kg	
Skin Sensitizer	May cause an allergic skin reaction.	
Respiratory Sensitizer	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Target Organ, Single Exposure	Respiratory	May cause respiratory irritation.

**4-METHYL-2-PENTANONE (108-10-1)**

Acute Dermal Toxicity	LD50: >2,000 mg/kg	
Acute Inhalation Toxicity	LC50: 16.4 mg/l	Harmful if inhaled.
Acute Oral Toxicity	LD50: >2,080 mg/kg	
Target Organ, Single Exposure	Respiratory	May cause respiratory irritation.
Eye Irritation	Causes serious eye irritation.	
Carcinogenicity Classification	IARC Group 2B	Possibly carcinogenic to humans.

**N-BUTYL ACETATE (123-86-4)**

Acute Dermal Toxicity	LD50: >16,000 mg/kg	
Acute Inhalation Toxicity	LC50: >20.0 mg/l	
Acute Oral Toxicity	LD50: >14,130 mg/kg	
Target Organ, Single Exposure	Central Nervous System	May cause drowsiness/dizziness.

**2-HEPTANONE (110-43-0)**

Acute Dermal Toxicity	LD50: >2,000 mg/kg	
Acute Inhalation Toxicity	LC50: >16.7 mg/l	Harmful if inhaled.
Acute Oral Toxicity	LD50: >1,600 mg/kg	Harmful if swallowed.
Target Organ, Single Exposure	Respiratory, Central Nervous System	May cause respiratory irritation, drowsiness or dizziness.

**LIGHT AROMATIC SOLVENT NAPHTHA (64742-95-6)**

Acute Dermal Toxicity	LD50: >3160 mg/kg	
Acute Inhalation Toxicity	LC50: >20.0 mg/l	
Acute Oral Toxicity	LD50: >3,492 mg/kg	
Eye Irritation	Causes serious eye irritation.	
Skin Irritation	Causes skin irritation.	
Target Organ, Single Exposure	Respiratory, Central Nervous System	May cause respiratory irritation, drowsiness or dizziness.
Target Organ, Repeated Exposure	Central Nervous System	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity Classification	Suspected of causing cancer.	

**Information on Toxicological Effects**

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). Certain individuals will develop sensitization (chemical asthma) which will result in reactions at levels below the TLV. Conditions aggravated by exposure include asthma and other respiratory disorders. May cause dizziness and drowsiness. Danger of serious damage to health by prolonged exposure through inhalation. Vapor concentrations above recommended exposure levels are irritating to eyes and respiratory tract may cause headache, dizziness, drowsiness and other central nervous system effects. Vapors have a narcotic effect and may cause headache, fatigue/drowsiness, dizziness and nausea.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material. Can cause reddening, itching and swelling. Personnel with pre-existing skin disorders should avoid contact with this product. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** May cause corneal injury. Causes serious eye irritation. Symptoms may include stinging, tearing, redness and swelling.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to mouth, throat, and stomach. May cause dizziness and drowsiness and/or stupor. Ingestion may cause gastrointestinal tract irritation.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** May cause delayed lung damage. Overexposure may cause nervous system damage. Overexposure may cause kidney damage. Significant exposure to this chemical may adversely affect people

with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes. A component of this product is a potential hazard to the fetus. Overexposure to vapors or mist may trigger asthma attacks in suspected individuals.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

## 12. ECOLOGICAL INFORMATION

No data available.

## 13. DISPOSAL CONSIDERATIONS

**RECOMMENDATIONS:** The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection, waste disposal legislation and any regional local authority requirements. Empty containers should be disposed of through an approved waste management facility. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, ensure conformity to all applicable hazardous waste regulations, consult your local or regional authorities.

## 14. TRANSPORT INFORMATION

**UN NUMBER:** UN1263

**UN PROPER SHIPPING NAME:** PAINT

**TRANSPORT HAZARD CLASS:** 3

**PACKING GROUP:** II

**SPECIAL PRECAUTIONS:** The listed transportation information applies only to ground transport and does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the shipper and the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Local Government regulations and rules should prevail.

## 15. REGULATORY INFORMATION

### UNITED STATES FEDERAL REGULATIONS:

**OSHA:** OSHA Hazard Communication Standard 29 CFR 1910.1200

A component(s) of this product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA RQ - 40 CFR 302.4 (a)

##### List of Hazardous Substances and Reportable Quantities (RQ)

<u>Chemical Name</u>	<u>CAS Number</u>	<u>RQ</u>
1,6-HEXAMETHYLENE DIISOCYANATE	822-06-0	100 lbs.
XYLENE	1330-20-7	100 lbs.
ETHYLBENZENE	100-41-4	1,000 lbs.
4-METHYL-2-PENTANONE	108-10-1	5,000 lbs.
N-BUTYL ACETATE	123-86-4	5,000 lbs.

#### SARA Section 311/312 Hazard Category - 40 CFR 370.2

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Reactive Hazard, Acute Health Hazard, Chronic Health Hazard

#### SARA 313 Components - 40 CFR 372.65

This product contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and 40 CFR 372:

<u>Chemical Name</u>	<u>CAS Number</u>
4-METHYL-2-PENTANONE	108-10-1
1,2,4-TRIMETHYLBENZENE	95-63-6
1,6-HEXAMETHYLENE DIISOCYANATE	822-06-0
CUMENE	98-82-8
XYLENE	1330-20-7
ETHYLBENZENE	100-41-4

### STATE REGULATIONS:

#### California Proposition 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

<u>Chemical Name</u>	<u>CAS Number</u>
4-METHYL-2-PENTANONE	108-10-1
CUMENE	98-82-8
ETHYLBENZENE	100-41-4

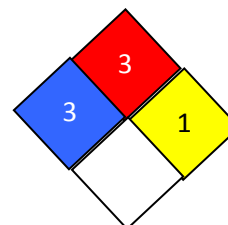
**New Jersey, Pennsylvania, Massachusetts Right-To-Know Component Information**

<b>Chemical Name</b>	<b>CAS Number</b>
4-METHYL-2-PENTANONE	108-10-1
N-BUTYL ACETATE	123-86-4
2-HEPTANONE	110-43-0
XYLENE	1330-20-7
ETHYLBENZENE	100-41-4
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6
1,2,4 TRIMETHYLBENZENE	95-63-6
1,6-HEXAMETHYLENE DIISOCYANATE	822-06-0
CUMENE	98-82-8

**16. OTHER INFORMATION**

<b>HMIS RATING</b>	
<b>Health:</b>	<b>3</b>
<b>Flammability:</b>	<b>3</b>
<b>Personal Hazard:</b>	<b>1</b>
<b>Personal Protection:</b>	<b>J</b>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, \* = Chronic

**NFPA CODES**

DISCLAIMER: The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date. The Eastwood Company makes no representation, warranty or guarantee as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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