

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/31/2011

Reviewed on 08/31/2011

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:** Eastwood EW-10109Z AlumaBlast

· **Article number:** EW10109Z,

· **Application of the substance / the preparation** sealant

· **Details of the supplier of the safety data sheet**

· **Manufactured For:**

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

· **Information department:**

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

· **Emergency telephone number:** 24 HR EMERGENCY CHEMTREC 1-800-424-9300

2 Composition/information on ingredients

· **Chemical characterization:** Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

74-98-6	propane ⚠ H220; ⚠ H280	13 - 30%
108-88-3	toluene ⚠ H225; ⚠ H361; H373; H304; ⚠ H315; H336	13 - 30%
	ALKYD RESIN ⚠ H315; H319; H335	13 - 30%
67-64-1	acetone ⚠ H225; ⚠ H319; H336	10 - 13%
123-86-4	n-butyl acetate ⚠ H226; ⚠ H336	7 - 10%
107-87-9	pentan-2-one ⚠ H225; ⚠ H302; H315; H319; H335	5 - 7%
64742-95-6	Solvent naphtha (petroleum), light arom. ⚠ H340; H350; H304	1.5 - 5%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄) ⚠ H315; H319; H335	1.5 - 5%
	Silica ⚠ H315; H319; H335	
95-63-6	1,2,4-trimethylbenzene ⚠ H226; ⚠ H411; ⚠ H332; H315; H319; H335	≤1%
108-67-8	mesitylene ⚠ H226; ⚠ H411; ⚠ H335	≤1%
8052-41-3	Stoddard solvent ⚠ H340; H350; H304	≤1%

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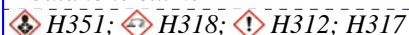
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96-29-7 2-butanone oxime

≤1%


 H351; H318; H312; H317

3 Hazards identification

· **Classification of the substance or mixture**



GHS02 Flame

H222 Extremely flammable aerosol.



GHS08 Health hazard

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H333 May be harmful if inhaled.

· **Label elements**

· **GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** GHS02, GHS07, GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**

toluene

Solvent naphtha (petroleum), light arom.

Stoddard solvent

· **Hazard statements**

Extremely flammable aerosol.

May be harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause genetic defects.

May cause cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Pressurized container: Do not pierce or burn, even after use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Store locked up.

Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

· **HMIS-ratings (scale 0 - 4)**



Health = *2

Fire = 4

Reactivity = 3

4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.

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Open and handle receptacle with care.

· **Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility: Not required.**

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not gas tight seal receptacle.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· **Specific end use(s) No further relevant information available.**

8 Exposure controls/personal protection

· **Additional information about design of technical systems: No further data; see item 7.**

· **Components with limit values that require monitoring at the workplace:**

74-98-6 propane

PEL 1800 mg/m³, 1000 ppm

REL 1800 mg/m³, 1000 ppm

TLV Varies mg/m³, 1000 ppm

108-88-3 toluene

PEL Short-term value: C 300; 500* ppm

Long-term value: 200 ppm

*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

TLV 75 mg/m³, 20 ppm

BEI

67-64-1 acetone

PEL 2400 mg/m³, 1000 ppm

REL 590 mg/m³, 250 ppm

TLV Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm

Long-term value: (1188) NIC-475 mg/m³, (500) NIC-200 ppm

BEI

123-86-4 n-butyl acetate

PEL 710 mg/m³, 150 ppm

REL Short-term value: 950 mg/m³, 200 ppm

Long-term value: 710 mg/m³, 150 ppm

TLV Short-term value: 950 mg/m³, 200 ppm

Long-term value: 713 mg/m³, 150 ppm

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107-87-9 pentan-2-one

PEL	700 mg/m ³ , 200 ppm
REL	530 mg/m ³ , 150 ppm
TLV	Short-term value: 529 mg/m ³ , 150 ppm

8052-41-3 Stoddard solvent

PEL	2900 mg/m ³ , 500 ppm
REL	Short-term value: C 1800* mg/m ³ Long-term value: 350 mg/m ³ *15-min
TLV	525 mg/m ³ , 100 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **General Information**
- **Appearance:**
Form:

Aerosol

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Color:	According to product specification
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	< -17°C (< 1 °F)
· Flash point:	< -17°C (< 1 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	370°C (698 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	13.0 Vol %
· Vapor pressure at 20°C (68 °F):	8300 hPa (6226 mm Hg)
· Density at 20°C (68 °F):	0.77 g/cm ³ (6.426 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Segregation coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	75.7 %
VOC content:	63.8 %
	509.3 g/l / 4.25 lb/gl
· Solids content:	13.6 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
- **DOT, IATA** AEROSOLS, flammable
- **ADR** 1950 AEROSOLS

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· **IMDG** AEROSOLS· **Transport hazard class(es)**· **DOT, IMDG, IATA**

· Class	2.1
· Label	2.1

· **ADR**

· Class	2 5F Gases
· Label	2.1

· Packing group	Void
· DOT, ADR, IMDG, IATA	Void

· Environmental hazards:	No
· Marine pollutant:	No

· Special precautions for user	Warning: Gases
· EMS Number:	F-D,S-U

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
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· UN "Model Regulation":	UN1950, AEROSOLS, 2.1
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15 Regulatory information

· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

108-88-3	toluene
7429-90-5	aluminium
14807-96-6	Talc (Mg3H2(SiO3)4)
95-63-6	1,2,4-trimethylbenzene
78-93-3	butanone
108-10-1	4-methylpentan-2-one
1330-20-7	xylene
872-50-4	N-methyl-2-pyrrolidone
98-82-8	cumene
	COBALT CARBOXYLATE

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	ACRYLIC RESIN
100-41-4	ethylbenzene
· TSCA (Toxic Substances Control Act):	
74-98-6	propane
108-88-3	toluene
67-64-1	acetone
123-86-4	n-butyl acetate
107-87-9	pentan-2-one
7429-90-5	aluminium
763-69-9	ethyl 3-ethoxypropionate
64742-95-6	Solvent naphtha (petroleum), light arom.
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)
95-63-6	1,2,4-trimethylbenzene
78-93-3	butanone
108-67-8	mesitylene
108-10-1	4-methylpentan-2-one
8052-41-3	Stoddard solvent
96-29-7	2-butanone oxime

· Proposition 65**· Chemicals known to cause cancer:**

95-63-6	1,2,4-trimethylbenzene
1330-20-7	xylene
98-82-8	cumene
1333-86-4	Carbon black
100-41-4	ethylbenzene

· Chemicals known to cause reproductive toxicity for females:

108-88-3	toluene
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· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

108-88-3	toluene
872-50-4	N-methyl-2-pyrrolidone
149-57-5	2-ethylhexanoic acid

· Cancerogenity categories**· EPA (Environmental Protection Agency)**

108-88-3	toluene	II
67-64-1	acetone	I
78-93-3	butanone	I
108-10-1	4-methylpentan-2-one	I
1330-20-7	xylene	I
98-82-8	cumene	CBD

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111-76-2	2-butoxyethanol	CBD
100-41-4	ethylbenzene	D

· IARC (International Agency for Research on Cancer)

108-88-3	toluene	3
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
	BENTONITE	suspected carcinogen <2% 14808-60-7
1330-20-7	xylene	3
1333-86-4	Carbon black	2B
111-76-2	2-butoxyethanol	3
100-41-4	ethylbenzene	2B

· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

108-88-3	toluene	A4
67-64-1	acetone	A4
7429-90-5	aluminium	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
1330-20-7	xylene	A4
1333-86-4	Carbon black	A4
111-76-2	2-butoxyethanol	A3
100-41-4	ethylbenzene	A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4 Carbon black

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** GHS02, GHS07, GHS08

· **Signal word** Danger

· Hazard-determining components of labelling:

toluene

Solvent naphtha (petroleum), light arom.

Stoddard solvent

· Hazard statements

Extremely flammable aerosol.

May be harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause genetic defects.

May cause cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Pressurized container: Do not pierce or burn, even after use.

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Dispose of contents/container in accordance with local/regional/national/international regulations.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Environment protection department.

· **Contact:** Steve Gaver

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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