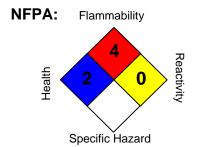
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### HMIS III:



0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name Eastwood 2K Aero-Spray High-Gloss Clear

MSDS Number 14148 Z

Product Use Description Solvent-borne coatings Company The Eastwood Company

263 Shoemaker Road Pottstown, PA 19464

Telephone 1-800-345-1178

Emergency telephone

number: Chem-Trec 1-800-424-9300

#### **SECTION 2. HAZARDS IDENTIFICATION**

#### **Emergency Overview**

Regulatory status : This product, material or substance is a WHMIS controlled

product per Sections 33 - 66, Part IV of the CPR.

Signal Word : DANGER
Form : aerosol
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : Flammable aerosol

May cause birth defects.
May cause cancer.
Compressed gas

May cause fire.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F.

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Irritant Sensitiser

**Potential Health Effects** 

Skin : May cause allergic skin reaction.

May cause skin irritation.

Eyes : May cause eye irritation.

Inhalation : May cause allergic respiratory reaction.

Causes respiratory tract irritation.

Chronic Exposure : Repeated absorption may result in bladder tumors.

Suspect reproductive hazard - contains material which may

injure unborn child.

Target Organs : Respiratory system

Eyes Skin

Carcinogenicity:

ACGIH : ethylbenzene (CAS-No.: 100-41-4)

2-butoxyethyl acetate; butylglycol acetate (CAS-No.: 112-07-

2)

NTP : No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

IARC : ethylbenzene (CAS-No.: 100-41-4)

OSHA : No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

CA Prop 65 : WARNING! This product contains a chemical known to the

State of California to cause cancer.

: WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive

harm.

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#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	<b>Weight percent</b> >= 35 - < 40	
dimethyl ether	115-10-6		
acetone	67-64-1	>= 20 - < 25	
n-butyl acetate	123-86-4	>= 10 - < 12.5	
Hexamethylene-di-isocyanate, polymer	28182-81-2	>= 5 - < 7	
xylene	1330-20-7	>= 3 - < 5	
low boiling point naphtha - unspecified	64742-95-6	>= 1.5 - < 2	
2-methoxy-1-methylethyl acetate	108-65-6	>= 1 - < 1.5	
1,2,4-trimethylbenzene	95-63-6	>= 1 - < 1.5	
2-butoxyethyl acetate; butylglycol acetate	112-07-2	>= 1 - < 1.5	
ethylbenzene	100-41-4	>= 0.75 - < 1	
mesitylene	108-67-8	>= 0.1 - < 0.2	

### **SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area. Never give anything by mouth to

an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Take off all contaminated clothing immediately.

Inhalation : Remove to fresh air. Keep patient warm and at rest. If

breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Skin contact : Wash off immediately with soap and plenty of water. Do NOT

use solvents or thinners.

Eye contact : Remove contact lenses. In the case of contact with eyes, rinse

immediately with plenty of water and seek medical advice.

Ingestion : If a person vomits when lying on his back, place him in the

recovery position. If swallowed, seek medical advice

immediately and show this container or label. Do NOT induce

vomiting.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Form : aerosol

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Ignition temperature : 235 °C (455 °F)

Lower explosion limit : 1.2 %(V)

Upper explosion limit : 18.6 %(V)

Suitable extinguishing

media

Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Extinguishing media which shall not be used for safety

reasons

High volume water jet

Specific hazards during fire

fighting

Fire will produce dense black smoke containing hazardous

combustion products (see section 10).

Do not use a solid water stream as it may scatter and spread

fire.

Special protective

equipment for fire-fighters

Use personal protective equipment.

Wear self contained breathing apparatus for fire fighting if

necessary.

Further information : Use water spray to cool unopened containers.

Exposure to decomposition products may be a hazard to

health.

Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Ventilate the area.

Remove all sources of ignition. Avoid inhalation of vapour or mist.

Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Should not be released into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent

material, (e.g. sand, earth, diatomaceous earth, vermiculite)

and place in container for disposal according to local / national

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regulations.

#### **SECTION 7. HANDLING AND STORAGE**

#### Handling

Handling : Do not breathe vapours or spray mist.

Avoid contact with skin and eyes.

Take precautionary measures against static discharges. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the

occupational exposure limits. Limit the stocks at work place.

Do not spray on a naked flame or any other incandescent

material.

Use only in well-ventilated areas. For personal protection see section 8.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Do not smoke.

Vapours may form explosive mixtures with air.

Vapours are heavier than air and may spread along floors. Electrical equipment should be protected to the appropriate

standard.

Dust explosion class : not applicable

### **Storage**

Requirements for storage areas and containers

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C / 122 °F. Do not open by force or throw into fire even after use. Do not spray on

flames or red-hot objects.

Please observe the storage instructions for aerosols!

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Keep away from oxidising agents and strongly acid or alkaline

materials.

Other data : No decomposition if stored and applied as directed.

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### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure Guidelines**

Components	CAS-No.	List	Type:	Value	Update
dimethyl ether	115-10-6	CA BC OEL	TWA	1,000 ppm	2006-11-29
acetone	67-64-1	CA AB OEL	TWA	500 ppm 1,200 mg/m3	2009-04-30
		CA AB OEL	STEL	750 ppm 1,800 mg/m3	2009-04-30
		CA BC OEL	TWA	250 ppm	2006-11-29
		CA BC OEL	STEL	500 ppm	2006-11-29
		CA ON OEL	TWAEV	500 ppm	2005-12-17
		CA ON OEL	STEV	750 ppm	2005-12-17
		CA QC OEL	TWAEV	500 ppm 1,190 mg/m3	2006-12-29
		CA QC OEL	STEV	1,000 ppm 2,380 mg/m3	2006-12-29
n-butyl acetate	123-86-4	CA AB OEL	STEL	200 ppm 950 mg/m3	2007-01-01
		CA AB OEL	TWA	150 ppm 713 mg/m3	2007-01-01
		CA BC OEL	TWA	20 ppm	2006-11-29
		CA ON OEL	TWAEV	150 ppm 710 mg/m3	2005-12-17
		CA ON OEL	STEV	200 ppm 950 mg/m3	2005-12-17
		CA QC OEL	TWAEV	150 ppm 713 mg/m3	2006-12-29
		CA QC OEL	STEV	200 ppm 950 mg/m3	2006-12-29
xylene	1330-20-7	CA ON OEL	TWAEV	100 ppm 435 mg/m3	2005-12-17
		CA ON OEL	STEV	150 ppm 650 mg/m3	2005-12-17
		CA AB OEL	TWA	100 ppm 434 mg/m3	2009-04-30
		CA AB OEL	STEL	150 ppm 651 mg/m3	2009-04-30
		CA QC OEL	TWAEV	100 ppm 434 mg/m3	2008-02-23
		CA QC OEL	STEV	150 ppm 651 mg/m3	2008-02-23
		CA BC OEL	TWA	100 ppm	2007-07-06
		CA BC OEL	STEL	150 ppm	2007-07-06
2-methoxy-1-methylethyl acetate	108-65-6	CA BC OEL	TWA	50 ppm	2006-11-29
		CA BC OEL	STEL	75 ppm	2006-11-29
		CA ON OEL	TWAEV	50 ppm 270 mg/m3	2005-12-17
1,2,4-trimethylbenzene	95-63-6	CA BC OEL	TWA	25 ppm	2006-11-29
		CA ON OEL	TWAEV	25 ppm 123	2005-12-17

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				mg/m3	
2-butoxyethyl acetate;	112-07-2	CA BC OEL	TWA	20 ppm	2006-11-29
butylglycol acetate					
		CA ON OEL	TWAEV	20 ppm	2005-12-17
		CA AB OEL	TWA	20 ppm 131	2009-04-30
				mg/m3	

Engineering measures : Provide adequate ventilation.

Eye protection : Safety glasses

Hand protection : Choose gloves to protect hands against chemicals depending

on the concentration and quantity of the hazardous substance

and specific to place of work.

For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective

gloves with the glove manufacturer.

Skin and body protection : impervious clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory

equipment.

Respirator with filter type ABEK

Hygiene measures : Do not inhale aerosol.

When using do not eat, drink or smoke. Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of workday.

Wash contaminated clothing before re-use.

Handle in accordance with good industrial hygiene and safety

practice.

General industrial hygiene practice.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : aerosol

Odour : characteristic

Ignition temperature : 235 °C (455 °F)

Thermal decomposition : Heating can release hazardous gases., Fire or intense heat

may cause violent rupture of packages.

Lower explosion limit : 1.2 %(V)

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Upper explosion limit : 18.6 %(V)

Melting point/range : no data available

Boiling point/boiling range : not applicable

Vapour pressure : 3,400 hPa

at 20 °C (68 °F)

Density : no data available

Water solubility : partly miscible

Volatile organic compounds

(VOC) content

: 60.99 %

#### **SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : Strong acids and strong bases

Oxidizing agents

Hazardous decomposition

products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of

nitrogen (NOx), dense black smoke.

Thermal decomposition : Heating can release hazardous gases. Fire or intense heat

may cause violent rupture of packages.

Hazardous reactions : Vapours may form explosive mixture with air.

Note: No decomposition if used as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity : Irritating to respiratory system.

Skin irritation : Repeated or prolonged contact with the mixture may cause

removal of natural fat from the skin resulting in desiccation of

the skin.

Eye irritation : The liquid splashed in the eyes may cause irritation and

reversible damage.

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Strong lachrymation can make it difficult to escape.

Carcinogenicity : No data is available on the product itself.
Reproductive toxicity : No data is available on the product itself.
Teratogenicity : No data is available on the product itself.

Further information : Symptoms of overexposure may be headache, dizziness,

tiredness, nausea and vomiting.

Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhoea.

Liver and kidney injuries may occur.

Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a pulmonary

oedema or pneumonia.

Component:

dimethyl ether 115-10-6 <u>Acute inhalation toxicity:</u> LC50 rat

Dose: 309 mg/l Exposure time: 4 h

Acute inhalation toxicity: LC50 rat

Exposure time: 4 h

acetone 67-64-1 Acute oral toxicity: LD50 rat

Dose: 5,800 mg/kg

Acute dermal toxicity: LD50 rabbit

Dose: 20,000 mg/kg

Acute inhalation toxicity: LC50 rat

Dose: 70 mg/l Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.

Result: Mild skin irritation

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of

the skin.

Eye irritation: Classification: Irritating to eyes.

Result: Moderate eye irritation

n-butyl acetate 123-86-4 <u>Acute oral toxicity:</u> LD50 rat

Dose: 13,100 mg/kg

Acute dermal toxicity: LD50 rabbit

Dose: > 14,100 mg/kg

Acute inhalation toxicity: LC50 rat

Dose: 21 mg/l Exposure time: 4 h

Skin irritation: Result: Mild skin irritation

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Eye irritation: Result: Mild eye irritation

Hexamethylene-di-isocyanate, 28182-81-2 polymer

Acute oral toxicity: LD50 rat Dose: > 10,000 mg/kg

Acute inhalation toxicity: LD50 rat

Dose: 0.1 - 1.2 g/m3 Exposure time: 4 h

Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest,

wheeziness and an asthmatic condition. Sensitisation: May cause sensitization by inhalation.

May cause sensitization by skin contact.

1330-20-7 xylene

Acute oral toxicity: LD50 rat

Dose: 2,840 mg/kg

Acute dermal toxicity: LD50 rabbit

Dose: ca. 4,500 mg/kg

Acute inhalation toxicity: LC50 rat

Dose: 28 mg/l Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.

Result: Mild skin irritation

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Eye irritation: Classification: Irritating to eyes.

Result: Mild eye irritation

Teratogenicity: Damage to fetus cannot be excluded.

low boiling point naphtha unspecified

64742-95-6

Acute oral toxicity: LD50 rat

Dose: 6,800 mg/kg

Acute dermal toxicity: LD50 rat

Dose: > 3,400 mg/kg

Acute inhalation toxicity: Irritating to respiratory system.

Skin irritation: Result: Mild skin irritation

2-methoxy-1-methylethyl acetate 108-65-6 Acute oral toxicity: LD50 mouse

Dose: 8,532 mg/kg

Acute dermal toxicity: LD50 rabbit

Dose: 7,500 mg/kg

Eye irritation: Classification: Irritating to eyes.

Result: Mild eye irritation

1,2,4-trimethylbenzene 95-63-6 Acute inhalation toxicity: LC50 rat

Dose: 18 mg/l

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Exposure time: 4 h

Irritating to respiratory system.

Skin irritation: Classification: Irritating to skin.

Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.

Result: Eye irritation

2-butoxyethyl acetate; butylglycol

acetate

Acute oral toxicity: LD50 rat

Dose: 2,400 mg/kg

Acute dermal toxicity: LD50 rabbit

Dose: 1,500 mg/kg

Eye irritation: Classification: Irritating to eyes.

Result: Mild eye irritation

ethylbenzene 100-41-4

Acute oral toxicity: LD50 rat Dose: 3,500 mg/kg

Acute dermal toxicity: LD50 rabbit

Dose: 15,500 mg/kg

Acute inhalation toxicity: LC50 rat

Dose: 18 mg/l Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.

Result: Mild skin irritation

<u>Eye irritation:</u> Classification: Irritating to eyes.

Result: Eye irritation

mesitylene 108-67-8 <u>Acute inhalation toxicity:</u> LC50 rat

Dose: 24 mg/l Exposure time: 4 h

Eye irritation: Classification: Irritating to eyes.

Result: Mild eye irritation

### **SECTION 12. ECOLOGICAL INFORMATION**

Adsorbed organic bound

: not included

halogens (AOX)

Volatile organic compounds :

60.99 %

(VOC) content

Additional ecological

The product should not be allowed to enter drains, water

information courses or the soil.

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Component:

67-64-1 acetone Toxicity to fish: LC50

Species: Oncorhynchus mykiss (rainbow trout)

Dose: 5,540 mg/l Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

Species: Daphnia magna (Water flea)

Dose: 6,100 mg/l Exposure time: 48 h

n-butyl acetate 123-86-4 Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia magna (Water flea)

Dose: 72.8 mg/l Exposure time: 24 h

Toxicity to bacteria:

EC50

Species: Pseudomonas putida

Dose: 959 mg/l Exposure time: 18 h

1330-20-7 Toxicity to fish: xylene

LC50

Species: Oncorhynchus mykiss (rainbow trout)

Dose: 8.2 mg/l Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia magna (Water flea)

Dose: 75.5 mg/l Exposure time: 24 h

1,2,4-trimethylbenzene 95-63-6 Toxicity to fish:

LC50

Species: Pimephales promelas (fathead minnow)

Dose: 7.72 mg/l Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia Dose: 3.6 mg/l Exposure time: 48 h

Toxicity to fish: LC50 ethylbenzene 100-41-4

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Species: Carassius auratus (goldfish)

Dose: 94.44 mg/l Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

LC50

Species: Daphnia magna (Water flea)

Dose: 77 mg/l Exposure time: 24 h

Toxicity to algae:

EC50

Species: Chlorella vulgaris (Fresh water algae)

Dose: 63 mg/l Exposure time: 3 h

mesitylene 108-67-8 Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia magna (Water flea)

Dose: 50 mg/l Exposure time: 24 h

Toxicity to algae:

EC50

Species: Desmodesmus subspicatus (green algae)

Dose: 25 - 53 mg/l Exposure time: 48 h

### **SECTION 13. DISPOSAL CONSIDERATIONS**

Adequate disposal : In accordance with local and national regulations.

Please ensure aerosol cans are sprayed completely empty

(including propellant)

Containers that have not been emptied in compliance with

regulations are regarded as hazardous waste.

#### **SECTION 14. TRANSPORT INFORMATION**

DOT 49 CFR

Proper shipping name : Aerosols ID No : UN 1950 Class : 2.1

: 126

Packing group : Labels : 2.1

Emergency Response

Guidebook Number

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**TDGR** 

Proper shipping name : AEROSOLS ID No : UN 1950

Class : 2.1 Packing group :

Labels : 2.1 Emergency Response : 126

Guidebook Number

ICAO / IATA-DGR

ID No : UN 1950

Description of the goods : Aerosols, flammable

Class : 2.1 ICAO-Labels : 2.1 Packing instruction (cargo : 203

aircraft)

Packing instruction : 203

(passenger aircraft)

Packing instruction : Y203

(passenger aircraft)

**IMDG-Code** 

ID No : UN 1950 Description of the goods : AEROSOLS

Class : 2.1
IMDG-Labels : 2.1
EmS Number 1 : F-D
EmS Number 2 : S-U

Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION** 

TSCA Status : On TSCA Inventory

**DSL Status** : All components of this product are on the Canadian DSL list.

California Prop. 65 : WARNING! This product contains a chemical known to the

State of California to cause cancer.

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WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive

harm.

WHMIS Classification : B5 Flammable aerosol

Flammable aerosol

A Compressed Gas

Compressed Gas

D2A Very Toxic Material Causing Other Toxic Effects
D2B Toxic Material Causing Other Toxic Effects

Teratogen Carcinogen

Respiratory sensitiser Moderate skin irritant Moderate respiratory irritant Moderate eye irritant

Skin sensitiser

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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