HALLMARK 2 - PRIMER

Hallmark Floors Primer [part a]

acc. to ISO/DIS 11014 PRINTING DATE: 11/2/2010

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SECTION 1: PRODUCT DETAILS

1.1 Trade name:

Hallmark 2 Primer

Application of the substance / the preparation Priming

Manufacturer:

Hallmark Floors LLC

2360 S. Archibald Ave. Ontario, CA 91761

Phone 888.551.0888 Fax 909.947.7776

Emergency information:

CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

SECTION 2: Composition/Data on components

2.1 Chemical characterization

Description:

Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane 50-100%

Warning: Exclamation mark 3.2/2, 3.3/2A, 3.4.S/1

Environment 4.1.C/2

68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 10-25%

Warning: Exclamation mark 3.2/2, 3.4.S/1

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 3: HAZARDOUS IDENTIFICATION

3.1 Hazard description:

Xi Irritant

Not Dangerous for the environment

Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Irritating to eyes and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Contains epoxy constituents. See information supplied by the manufacturer.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4)

Health = 1

Fire = 0

Reactivity = 0

WHMIS-ratings (scale 0 - 4)

Health = 1

Fire = 0

Reactivity = 0

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SECTION 3: HAZARDOUS IDENTIFICATION [cont]

3.1 GHS label elements

[cont]

3.2/2 - Causes skin irritation.

3.3/2A - Causes serious eye irritation.

3.4/1 - May cause an allergic skin reaction.

4.1/2 - Toxic to aquatic life with long lasting effects.

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Responses

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

to do. Continue rinsing.

Specific treatment (see on this label).

Take off contaminated clothing and wash before reuse.

Disposal:

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

SECTION 4: First aid measures

4.1 After inhalation:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water.

After eye contact:

opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Do not induce vomiting; immediately call for medical help.

Section 5: Fire fighting measures

5.1 Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment:

No special measures required.

Section 6: Accidental release measures

6.1 Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

Section 7: Handling and storage

7.1 Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols

Information about protection against explosions and fires:

No special measures required.

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Section 7: Handling and storage [cont]

7.1 Storage:

[cont] Requireme

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Protect from frost. Keep receptacle tightly sealed.

Section 8: Exposure controls and personal protection

8.1 Additional information about design of technical systems:

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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.

Breathing equipment:

Not necessary if room is well-ventilated.

Protection of hands:

Protective gloves

(Matieral: Butyl rubber, BR)

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Section 9: Physical and chemical properties

9.1 General Information

Form: Fluid
Color: Colorless
Odor: Light
Change in condition

Boiling point/Boiling range: 100°C (212°F)

Flash point: Not applicable

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard. Vapor pressure at 20°C (68°F): 23 hPa (17 mm Hg)

Density at 20°C (68°F): 1.11 g/cm³ (9.263 lbs/gal)

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

pH-value at 20°C (68°F): 7.8

Viscosity: Kinematic at 20°C (68°F): 40 s (ISO 6 mm)

Solvent content:
Organic solvents: 0.0 %

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Section 11: Toxicological information

11.1 Acute toxicity:

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization:

Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Section 12: Ecological information

12.1 Ecotoxical effects:

Remark: Toxic for fish

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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Section 13: Disposal considerations

13.1 Product:

Recommendation:

Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

Section 14: Transport information

14.1 DOT regulations:

hazard Class: -

Land transport ADR/RID (cross-border):

ADR/RID class: 9 Miscellaneous dangerous substances and articles

Danger code (Kemler): 90 UN-Number: 3082 Packaging group: III

Special marking: Symbol (fish and tree)

Description of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane)

transport IMDG: IMDG Class: 9 UN Number: 3082

Label 9

Packaging group: III EMS Number: F-A,S-F Marine pollutant: Yes Symbol (fish and tree)

Propper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-

(epichlorhydrin) epoxy resin (number average molecular weight = 700))

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Section 14: Transport information [cont]

14.1 Air transport ICAO-TI and IATA-DGR:

[cont] ICAO/IATA Class: 9 UN/ID Number: 3082

Label 9

Special marking: Symbol (fish and tree)

Packaging group: III

Propper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-

(epichlorhydrin) epoxy resin (number average molecular weight = 700))

UN "Model Regulation": UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

Section 15: REGULATIONS

15.1 Sara:

Section 355 (extremely hazardous substances): None of the ingredient is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed

Proposition 65:

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Canadian Ingredient disclosure list:

Limit 0,1%: None of the ingredients is listed.

Limit 1%: None of the ingredients is listed.

Cancerogenity categories:

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

Xi Irritant

N Dangerous for the environment

Hazard-determining components of labelling:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Risk phrases:

Irritating to eyes and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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Section 15: REGULATIONS [cont]

15.1 Safety phrases:

[cont]

Keep out of the reach of children.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin and eyes.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

Wear suitable gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

Special labeling of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Section 16: Other information

16.1 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 SDS:

Technical Department Contact: 888.551.0888

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Section 1: Product details

1.1 Trade name:

Hallmark 2 Primer

Application of the substance / the preparation Priming

Manufacturer:

Hallmark Floors LLC

2360 S. Archibald Ave. Ontario, CA 91761

Phone 888.551.0888

Fax 909.947.7776

Emergency information:

CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

Section 2: Composition/Data on components

2.1 hemical characterization

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

Dangerous components:

100-51-6	Benzyl alcohol Warning: Exclamation mark 3.1.O/4, 3.1.I/4	25-50%
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine Danger: Corrosion 3.2/1B Warning: Exclamation mark 3.1.O/4, 3.1.D/4, 3.4.S/1 4.1.C/3	2.5-10%
140-31-8	2-piperazin-1-ylethylamine Danger: Corrosion 3.2/1B Warning: Exclamation mark 3.1.O/4, 3.1.D/4, 3.4.S/1 4.1.C/3	2.5-10%
15520-10-2	2-methylpentane-1,5-diamine Danger: Corrosion 3.2/1B Warning: Exclamation mark 3.1.O/4, 3.1.I/4; 2.6/4	2.5-10%

Additional information: For the wording of the listed risk phrases refer to section 16.

Section 3: HAZARDOUS IDENTIFICATION

3.1 Hazard description:

C Corrosive

Information pertaining to particular dangers for man and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. Harmful by inhalation and if swallowed.

Causes burns.

May cause sensitization by skin contact.

Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4)

Health = 3

Fire = 1

Reactivity = 0

WHMIS-ratings (scale 0 - 4)

Health = 3

Fire = 1

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Section 3: HAZARDOUS IDENTIFICATION [cont]

3 1 Reactivity = 0

[cont]

GHS label elements

Danger

3.1/4 - Harmful if swallowed.

3.4/1 - May cause an allergic skin reaction.

Warning

3.1/5 - May be harmful in contact with skin.

3.1/5 - May be harmful if inhaled.

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Responses

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/

shower.

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

to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Storage:

Store locked up

Disposal:

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

Section 4: First aid measures

4.1 General information:

Involve doctor immediately.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48

hours after the accident.

After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water, then consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water.

Administer medicinal carbon

A person vomiting while lying on their back should be turned onto their side.

Do not induce vomiting; immediately call for medical help.

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

Section 5: Fire fighting measures

5.1 Suitable extinguishing agents: Use fire fighting measures that suit the environment

Special hazards caused by the material, its products of combustion or resulting gases:

Carbon monoxide (CO)

Protective equipment:

Wear fully protective suit.

Wear self-contained respiatory protective device.

Mount respiratory protective device.

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Section 7: Handling and storage

7.1 Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

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

Further information about storage conditions: Keep receptacle tightly sealed.

Section 8: Exposure controls and personal protection

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

Components with limit values that require monitoring at the workplace:

100-51-6 Benzyl alcohol WEEL 44 mg/m³, 10 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.

Avoid contact with the eyes and skin.

Breathing equipment: Not necessary if room is well-ventilated.

Protection of hands:

Material of gloves: Butyl rubber, BR

Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection:

Apron

Boots

Section 9: Physical and chemical properties

9.1 General Information

Form: Fluid

Color: Light yellow **Odor:** Amine-like Change in condition

Boiling point/Boiling range: > 200°C (> 392°F)

Flash point: 105°C (221°F)

Ignition temperature: 315°C (599°F) **Auto igniting:** Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits: Lower: 1.3 Vol % Upper: 13.0 Vol %

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Section 9: Physical and chemical properties [cont]

9.1 Vapor pressure at 20°C (68°F): 0.1 hPa

[cont] Density at 20°C (68°F): 1 g/cm³ (8.345 lbs/gal)

Solubility in / Miscibility with Water: Fully miscible.

pH-value at 20°C (68°F): 12

Viscosity:

Kinematic at 20°C (68°F): 40 s (DIN 53211/4)

Solvent content: Organic solvents: 0.0 %

Section 10: Physical and chemical properties [cont]

10.1 Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Materials to be avoided:

Dangerous reactions: No dangerous reactions known.

Dangerous products of decomposition: No dangerous decomposition products known.

Section 11: Toxicological information

11.1 Acute toxicity:

LD/LC50 values that are relevant for classification:

100-51-6 Benzyl alcohol Oral LD50 1230 mg/kg (rat) Dermal LD50 2000 mg/kg (rbt)

Primary irritant effect:

on the skin: Caustic effect on skin and mucous membranes.

on the eye: Strong caustic effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful Corrosive Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and

Section 12: Ecological information

12.1 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.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low waterdangerous.

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Section 13: Disposal considerations

13.1 Product:

Recommendation:

Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations. **Recommended cleansing agent:** Water, if necessary with cleansing agents.

Section 14: transport information

14.1 DOT regulations:

Hazard class: 8

Identification number: UN2735

Packing group: III

Proper shipping name (technical name): AMINES, LIQUID, CORROSIVE, N.O.S. (nonylphenol, NAMINOETHYLPIPERAZINE)

Label: 8

Land transport ADR/RID (cross-border): ADR/RID class: 8 Corrosive substances

Danger code (Kemler): 80 UN-Number: 2735 Packaging group: III

Description of goods: 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (nonylphenol, NAMINOETHYLPIPERAZINE)

Maritime transport IMDG:

IMDG Class: 8 UN Number: 2735

Label: 8

Packaging group: III
EMS Number: F-A,S-B
Marine pollutant: No
Segregation groups: Alkalis

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (nonylphenol, NAMINOETHYLPIPERAZINE)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8 UN/ID Number: 2735

Label 8

Packaging group: III

Propper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (nonylphenol, NAMINOETHYLPIPERAZINE)

UN "Model Regulation":

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., 8, III

Section 15: Regulations

15.1 Sara:

Section 355 (extremely hazardous substances): None of the ingredient is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed

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Section 15: Regulations [cont]

15.1 Proposition 65:

[cont]

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Canadian Ingredient disclosure list:

Limit 0,1%: None of the ingredients is listed.

Limit 1%:

100-51-6: Benzyl alcohol

2855-13-2: 3-aminomethyl-3,5,5-trimethylcyclohexylamine

140-31-8: 2-piperazin-1-ylethylamine

Cancerogenity categories:

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials. Safety phrases:

Hazard symbols:

C - Corrosive

Hazard-determining components of labelling:

3-aminomethyl-3,5,5-trimethylcyclohexylamine

2-piperazin-1-ylethylamine

Benzyl alcohol

Risk phrases:

Harmful by inhalation and if swallowed.

Causes burns.

May cause sensitization by skin contact.

Safety phrases:

Keep container in a well-ventilated place.

When using do not eat or drink.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately.

This material and its container must be disposed of as hazardous waste.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Section 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 SDS:

Technical Department Contact: 888.551.0888