

Poplar Core Veneer, with Wood Face Veneers with a Urea-formaldehyde Glue/Resin fortified with Melamine or Phenolic Resin

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 10/16/2017

Date of issue: 06/30/2015

Version: 1.1

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: All Hardwood & Softwood for Face and Core with a Urea-formaldehyde Glue/Resin fortified with Melamine or Phenolic Resin

1.2. Intended Use of the Product : Furniture, Cabinetry, Underlayment, or misc. woodworking

1.3. Name, Address, and Telephone of the Responsible Party

Company

Shelter Forest International
200 SW Market St. Suite 1930
Portland, OR 97201
T 1 877 505 0900

info@shelterforest.com

Manufacturer

Shandong Shelter Forest Products Co., Ltd
9 Friendship Road, Industrial Park,
Zhaoxian Town, Juxian County,
Rizhao City, Shandong Province

1.4. Emergency Telephone Number

Emergency Number : 1 877 505 0900

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Comb. Dust

Skin Sens. 1 H317

Carc. 1A H350

STOT RE 1 H372

Aquatic Acute 3 H402

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: May form combustible dust concentrations in air.

H317 - May cause an allergic skin reaction.

H350 - May cause cancer.

H372 - Causes damage to organs through prolonged or repeated exposure.

H402 - Harmful to aquatic life.

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves.

P302+P352 - If on skin: Wash with plenty of water.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P314 - Get medical advice/attention if you feel unwell.

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P321 - Specific treatment (see Section 4 on this SDS).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product Identifier | % | Classification (GHS-US) |
|---|---------------------|--------------|---|
| Wood dust, all soft and hard woods | (CAS No) RR-00514-1 | 90 - 95 | Comb. Dust Carc. 1A, H350 STOT RE 1, H372 |
| Formaldehyde | (CAS No) 50-00-0 | 3.15 - 6.3 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 2, H401 |
| Urea | (CAS No) 57-13-6 | 1.8 - 3.6 | Not classified |
| Trimethylolpropane triacrylate | (CAS No) 15625-89-5 | 0 - 0.92 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 |
| Polyurethane | (CAS No) 9009-54-5 | 0 - 0.62 | Comb. Dust |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, 2-propenoate | (CAS No) 55818-57-0 | 0 - 0.28 | Skin Sens. 1, H317 |
| Diphenyl[4-(phenylthio)phenyl]sulfonium hexafluorophosphate | (CAS No) 75482-18-7 | 0 - 0.1 | Not classified |
| Polyvinyl alcohol | (CAS No) 9002-89-5 | 0.02 - 0.04 | Comb. Dust |
| Water | (CAS No) 7732-18-5 | 0.015 - 0.03 | Not classified |
| Urea, polymer with formaldehyde | (CAS No) 9011-05-6 | 0 - 0.02 | Not classified |
| Octamethylcyclotetrasiloxane | (CAS No) 556-67-2 | 0 - 0.02 | Repr. 2, H361 Aquatic Chronic 4, H413 |

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| | | | |
|--|---------------------|---------------|--|
| 2-Butoxyethanol | (CAS No) 111-76-2 | 0 - 0.02 | Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |
| Solvent naphtha, petroleum, light aromatic | (CAS No) 64742-95-6 | 0 - 0.02 | Flam. Liq. 1, H224 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| Oxalic acid | (CAS No) 144-62-7 | 0.01 - 0.02 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 |
| Sodium hydroxide | (CAS No) 1310-73-2 | 0.003 - 0.006 | Met. Corr. 1, H290 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402 |
| Ammonium chloride | (CAS No) 12125-02-9 | 0.002 - 0.004 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Acute 3, H402 |

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persist. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: May cause an allergic skin reaction. Dust may cause mechanical irritation to eyes, nose, throat, and lungs. There are potential chronic health effects to consider.

Symptoms/Injuries After Inhalation: May cause cancer by inhalation.

Symptoms/Injuries After Skin Contact: May cause an allergic reaction in sensitive individuals. Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Eye Contact: Eye contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure. May cause cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

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SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray, fog.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible Dust. Dust explosion hazard in air. Supports combustion.

Explosion Hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.

Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water sources.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Eliminate ignition sources.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Collect spillage. Avoid generation of dust during clean-up of spills. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Use care during processing to minimize generation of dust.

Precautions for Safe Handling: Take precautionary measures against static discharge.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources. Keep container closed when not in use.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

7.3. Specific End Use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

| 2-Butoxyethanol (111-76-2) | | |
|----------------------------|-----------------|--------|
| USA ACGIH | ACGIH TWA (ppm) | 20 ppm |

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| | | |
|--|--|--|
| USA ACGIH | ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 24 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 5 ppm |
| USA IDLH | US IDLH (ppm) | 700 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 240 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |
| USA OSHA | Limit value category (OSHA) | prevent or reduce skin absorption |
| Formaldehyde (50-00-0) | | |
| USA ACGIH | ACGIH Ceiling (ppm) | 0.3 ppm |
| USA ACGIH | ACGIH chemical category | dermal sensitizer,Suspected Human Carcinogen |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 0.016 ppm |
| USA NIOSH | NIOSH REL (ceiling) (ppm) | 0.1 ppm |
| USA IDLH | US IDLH (ppm) | 20 ppm |
| USA OSHA | OSHA PEL (TWA) (ppm) | 0.75 ppm |
| USA OSHA | OSHA PEL (STEL) (ppm) | 2 ppm (see 29 CFR 1910.1048) |
| Ammonium chloride (12125-02-9) | | |
| USA ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ (fume) |
| USA ACGIH | ACGIH STEL (mg/m ³) | 20 mg/m ³ (fume) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (fume) |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 20 mg/m ³ (fume) |
| Sodium hydroxide (1310-73-2) | | |
| USA ACGIH | ACGIH Ceiling (mg/m ³) | 2 mg/m ³ |
| USA NIOSH | NIOSH REL (ceiling) (mg/m ³) | 2 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 10 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 2 mg/m ³ |
| Oxalic acid (144-62-7) | | |
| USA ACGIH | ACGIH TWA (mg/m ³) | 1 mg/m ³ |
| USA ACGIH | ACGIH STEL (mg/m ³) | 2 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 1 mg/m ³ |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 2 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 500 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 1 mg/m ³ |
| Wood dust, all soft and hard woods (RR-00514-1) | | |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 1 mg/m ³ |

8.2. Exposure Controls

Appropriate Engineering Controls

: Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment

: Dust formation: dust mask. Gloves. Protective goggles. Dustproof clothing.



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

Hand Protection

: Wear protective gloves.

Eye Protection

: Chemical safety goggles.

Skin and Body Protection

: Wear suitable protective clothing.

Respiratory Protection

: Approved dust mask is required for some finishing operations such as sawing or sanding where dust is created.

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Environmental Exposure Controls : Do not allow the product to be released into the environment.

Consumer Exposure Controls : Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | |
|--|---------------------|
| Physical State | : Solid |
| Appearance | : |
| Odor | : No data available |
| Odor Threshold | : No data available |
| pH | : No data available |
| Evaporation Rate | : No data available |
| Melting Point | : No data available |
| Freezing Point | : No data available |
| Boiling Point | : No data available |
| Flash Point | : No data available |
| Auto-ignition Temperature | : No data available |
| Decomposition Temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor Pressure | : No data available |
| Relative Vapor Density at 20 °C | : No data available |
| Relative Density | : No data available |
| Solubility | : No data available |
| Partition Coefficient: N-Octanol/Water | : No data available |
| Viscosity | : No data available |

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Stable at ambient temperature and under normal conditions of use.
- 10.2. Chemical Stability:** Stable under normal conditions.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.
- 10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Oral: Not classified.

| | |
|--|--|
| Trimethylolpropane triacrylate (15625-89-5) | |
| LD50 Dermal Rabbit | 5000 mg/kg |
| Octamethylcyclotetrasiloxane (556-67-2) | |
| LD50 Oral Rat | 1540 mg/kg |
| LD50 Dermal Rat | 1770 mg/kg |
| LD50 Dermal Rabbit | 794 µl/kg |
| LC50 Inhalation Rat | 36 g/m ³ (Exposure time: 4 h) |
| Urea, polymer with formaldehyde (9011-05-6) | |
| LD50 Oral Rat | 8394 mg/kg |
| LC50 Inhalation Rat | > 167 mg/m ³ (Exposure time: 4 h) |

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| | |
|--|--------------|
| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
| LD50 Oral Rat | 8400 mg/kg |
| LD50 Dermal Rabbit | > 2000 mg/kg |
| LC50 Inhalation Rat | 3400 ppm/4h |
| 2-Butoxyethanol (111-76-2) | |
| LD50 Oral Rat | 470 mg/kg |
| LD50 Dermal Rat | 220 mg/kg |
| LD50 Dermal Rabbit | 99 mg/kg |
| LC50 Inhalation Rat | 450 ppm/4h |
| Formaldehyde (50-00-0) | |
| LD50 Oral Rat | 100 mg/kg |
| LD50 Dermal Rat | 270 mg/kg |
| Urea (57-13-6) | |
| LD50 Oral Rat | 8471 mg/kg |
| Ammonium chloride (12125-02-9) | |
| LD50 Oral Rat | 1650 mg/kg |
| Sodium hydroxide (1310-73-2) | |
| LD50 Dermal Rabbit | 1350 mg/kg |
| Polyvinyl alcohol (9002-89-5) | |
| LD50 Oral Rat | > 20 g/kg |
| Oxalic acid (144-62-7) | |
| LD50 Oral Rat | 375 mg/kg |
| LD50 Dermal Rat | 20000 mg/kg |

Skin Corrosion/Irritation: Not classified. Causes skin irritation.

Serious Eye Damage/Irritation: Not classified. Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer.

| | |
|--|---|
| Polyurethane (9009-54-5) | |
| IARC group | 3 |
| 2-Butoxyethanol (111-76-2) | |
| IARC group | 3 |
| Formaldehyde (50-00-0) | |
| IARC group | 1 |
| National Toxicology Program (NTP) Status | Known Human Carcinogens. |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |
| OSHA Specifically Regulated Carcinogen List | In OSHA Specifically Regulated Carcinogen list. |
| Polyvinyl alcohol (9002-89-5) | |
| IARC group | 3 |
| Wood dust, all soft and hard woods (RR-00514-1) | |
| IARC group | 1 |
| National Toxicology Program (NTP) Status | Known Human Carcinogens. |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Not classified

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Symptoms/Injuries After Inhalation: May cause cancer by inhalation.

Symptoms/Injuries After Skin Contact: May cause an allergic reaction in sensitive individuals. Prolonged contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Eye Contact: Eye contact with large amounts of dust may cause mechanical irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure. May cause cancer.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Ecology - Water : Harmful to aquatic life.

| Octamethylcyclotetrasiloxane (556-67-2) | |
|---|--|
| LC50 Fish 1 | > 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio) |
| LC 50 Fish 2 | > 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| NOEC chronic fish | 0.0044 mg/l |

| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
|---|--|
| LC50 Fish 1 | 9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

| 2-Butoxyethanol (111-76-2) | |
|----------------------------|---|
| LC50 Fish 1 | 1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 1 | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC 50 Fish 2 | 2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |

| Formaldehyde (50-00-0) | |
|------------------------|--|
| LC50 Fish 1 | 22.6 - 25.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC 50 Fish 2 | 1510 µg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 2 | 11.3 - 18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

| Urea (57-13-6) | |
|----------------|---|
| LC50 Fish 1 | 16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata) |
| EC50 Daphnia 1 | 3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

| Ammonium chloride (12125-02-9) | |
|--------------------------------|--|
| LC50 Fish 1 | 209 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static]) |
| EC50 Daphnia 1 | 161 mg/l |
| LC 50 Fish 2 | 42.91 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| NOEC chronic fish | 8 mg/l |
| NOEC chronic crustacea | 14.6 mg/l |

| Sodium hydroxide (1310-73-2) | |
|------------------------------|---|
| LC50 Fish 1 | 45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1 | 40 mg/l |

| Oxalic acid (144-62-7) | |
|------------------------|--|
| EC50 Daphnia 1 | 125 - 150 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

12.2. Persistence and Degradability

| All Hardwood for Face and Core with a Urea-formaldehyde Glue/Resin fortified with Melamine | |
|--|------------------|
| Persistence and Degradability | Not established. |

12.3. Bioaccumulative Potential

| All Hardwood for Face and Core with a Urea-formaldehyde Glue/Resin fortified with Melamine | |
|--|------------------|
| Bioaccumulative Potential | Not established. |

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| | |
|--|----------------------|
| Octamethylcyclotetrasiloxane (556-67-2) | |
| BCF fish 1 | 12400 |
| Log Pow | 5.1 |
| 2-Butoxyethanol (111-76-2) | |
| Log Pow | 0.81 (at 25 °C) |
| Formaldehyde (50-00-0) | |
| Log Pow | 0.35 (at 25 °C) |
| Urea (57-13-6) | |
| BCF fish 1 | < 10 |
| Log Pow | -1.59 (at 25 °C) |
| Oxalic acid (144-62-7) | |
| BCF fish 1 | (no bioaccumulation) |
| Log Pow | -0.81 (at 30 °C) |

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

| | |
|--|--|
| Poplar Core Veneer, with Birch Face Veneers with a Urea-formaldehyde Glue/Resin fortified with Melamine | |
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, 2-propenoate (55818-57-0) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Trimethylolpropane triacrylate (15625-89-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Octamethylcyclotetrasiloxane (556-67-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| Urea, polymer with formaldehyde (9011-05-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 2-Butoxyethanol (111-76-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Formaldehyde (50-00-0) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Listed on the United States SARA Section 302 | |
| Listed on United States SARA Section 313 | |

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| | |
|---|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | 500 |
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard |
| SARA Section 313 - Emission Reporting | 0.1 % |
| Urea (57-13-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Ammonium chloride (12125-02-9) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Sodium hydroxide (1310-73-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
| Polyvinyl alcohol (9002-89-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Oxalic acid (144-62-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| Water (7732-18-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

15.2 US State Regulations

| | |
|--|--|
| Formaldehyde (50-00-0) | |
| U.S. - California - Proposition 65 - Carcinogens List | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| Wood dust, all soft and hard woods (RR-00514-1) | |
| U.S. - California - Proposition 65 - Carcinogens List | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| 2-Butoxyethanol (111-76-2) | |
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List | |
| Formaldehyde (50-00-0) | |
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List | |
| Ammonium chloride (12125-02-9) | |
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List | |
| Sodium hydroxide (1310-73-2) | |
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List | |
| Oxalic acid (144-62-7) | |

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U.S. - Massachusetts - Right To Know List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

Wood dust, all soft and hard woods (RR-00514-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 10/08/2015
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

| | |
|----------------------------------|--|
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal) Category 2 |
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Inhalation:gas) | Acute toxicity (inhalation:gas) Category 3 |
| Acute Tox. 3 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment - Chronic Hazard Category 4 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Carc. 1A | Carcinogenicity Category 1A |
| Carc. 1B | Carcinogenicity Category 1B |
| Carc. 2 | Carcinogenicity Category 2 |
| Comb. Dust | May form combustible dust concentrations in air |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 1 | Flammable liquids Category 1 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Met. Corr. 1 | Corrosive to metals Category 1 |
| Muta. 1B | Germ cell mutagenicity Category 1B |
| Repr. 2 | Reproductive toxicity Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H224 | Extremely flammable liquid and vapor |
| H227 | Combustible liquid |
| H290 | May be corrosive to metals |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |

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| | |
|------|--|
| H310 | Fatal in contact with skin |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H336 | May cause drowsiness or dizziness |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |
| H413 | May cause long lasting harmful effects to aquatic life |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)