

# All Hardwood & Softwood for Face and Core 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: 9/22/2022 Date of issue: 06/30/2015

Version: 1.4

### SECTION 1: IDENTIFICATION

- 1.1. Product Identifier

Product Form: Mixture

Product Name: All Hardwood and Softwood for Face and Core with a Urea-formaldehyde Glue/Resin fortified with Melamine or Phenolic Resin, with or without finish
- 1.2. Intended Use of the Product

Furniture, Cabinetry, Underlayment, Misc. Woodworking
- 1.3. Name, Address, and Telephone of the Responsible Party

Company

Shelter Forest International

200 SW Market St.

Portland, OR 97201

T 1 877 505 0900

[info@shelterproducts.com](mailto:info@shelterproducts.com)

Manufacturer

Shelter Forest International

200 SW Market St.

Portland, OR 97201

T 1 877 505 0900
- 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

Carc. 1A

STOT RE 1

Aquatic Acute 3

Skin Irrit. 2

Eye Irrit. 2A

Full text of H-phrases: see section 16

H317

H350

H372

H402

H315

H319

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



GHS07



GHS08

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.

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.

# All Hardwood & Softwood for Face and Core 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

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
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

# All Hardwood & Softwood for Face and Core 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

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.

## 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.

# All Hardwood & Softwood for Face and Core 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

**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
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	24 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	5 ppm
USA IDLH	US IDLH (ppm)	700 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	240 mg/m <sup>3</sup>
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

# All Hardwood & Softwood for Face and Core 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

<b>USA OSHA</b>	OSHA PEL (STEL) (ppm)	2 ppm (see 29 CFR 1910.1048)
<b>Ammonium chloride (12125-02-9)</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
<b>USA ACGIH</b>	ACGIH STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> (fume)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> (fume)
<b>Sodium hydroxide (1310-73-2)</b>		
<b>USA ACGIH</b>	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>Oxalic acid (144-62-7)</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>USA ACGIH</b>	ACGIH STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Wood dust, all soft and hard woods (RR-00514-1)</b>		
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>

## 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.

### 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

# All Hardwood & Softwood for Face and Core 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

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, CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

Acute Toxicity: Oral: Not classified.

<b>Trimethylolpropane triacrylate (15625-89-5)</b>	
LD50 Dermal Rabbit	5000 mg/kg
<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
LD50 Oral Rat	1540 mg/kg
LD50 Dermal Rat	1770 mg/kg
LD50 Dermal Rabbit	794 µl/kg
LC50 Inhalation Rat	36 g/m <sup>3</sup> (Exposure time: 4 h)
<b>Urea, polymer with formaldehyde (9011-05-6)</b>	
LD50 Oral Rat	8394 mg/kg
LC50 Inhalation Rat	> 167 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 Oral Rat	8400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	3400 ppm/4h
<b>2-Butoxyethanol (111-76-2)</b>	
LD50 Oral Rat	470 mg/kg
LD50 Dermal Rat	220 mg/kg
LD50 Dermal Rabbit	99 mg/kg
LC50 Inhalation Rat	450 ppm/4h
<b>Formaldehyde (50-00-0)</b>	
LD50 Oral Rat	100 mg/kg
LD50 Dermal Rat	270 mg/kg
<b>Urea (57-13-6)</b>	
LD50 Oral Rat	8471 mg/kg
<b>Ammonium chloride (12125-02-9)</b>	
LD50 Oral Rat	1650 mg/kg
<b>Sodium hydroxide (1310-73-2)</b>	
LD50 Dermal Rabbit	1350 mg/kg
<b>Polyvinyl alcohol (9002-89-5)</b>	
LD50 Oral Rat	> 20 g/kg
<b>Oxalic acid (144-62-7)</b>	
LD50 Oral Rat	375 mg/kg
LD50 Dermal Rat	20000 mg/kg

# All Hardwood & Softwood for Face and Core 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

**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.

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

**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.

<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
<b>LC50 Fish 1</b>	> 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
<b>LC 50 Fish 2</b>	> 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
<b>NOEC chronic fish</b>	0.0044 mg/l
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
<b>LC50 Fish 1</b>	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
<b>EC50 Daphnia 1</b>	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>2-Butoxyethanol (111-76-2)</b>	
<b>LC50 Fish 1</b>	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 Daphnia 1</b>	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>LC 50 Fish 2</b>	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
<b>Formaldehyde (50-00-0)</b>	
<b>LC50 Fish 1</b>	22.6 - 25.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 Daphnia 1</b>	2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>LC 50 Fish 2</b>	1510 µg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 Daphnia 2</b>	11.3 - 18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

# All Hardwood & Softwood for Face and Core 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

<b>Urea (57-13-6)</b>	
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])
<b>Ammonium chloride (12125-02-9)</b>	
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
<b>Sodium hydroxide (1310-73-2)</b>	
LC50 Fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	40 mg/l
<b>Oxalic acid (144-62-7)</b>	
EC50 Daphnia 1	125 - 150 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

## 12.2. Persistence and Degradability

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

## 12.3. Bioaccumulative Potential

<b>All Hardwood for Face and Core with a Urea-formaldehyde Glue/Resin fortified with Melamine</b>	
Bioaccumulative Potential	Not established.
<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
BCF fish 1	12400
Log Pow	5.1
<b>2-Butoxyethanol (111-76-2)</b>	
Log Pow	0.81 (at 25 °C)
<b>Formaldehyde (50-00-0)</b>	
Log Pow	0.35 (at 25 °C)
<b>Urea (57-13-6)</b>	
BCF fish 1	< 10
Log Pow	-1.59 (at 25 °C)
<b>Oxalic acid (144-62-7)</b>	
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

<b>All Hardwood &amp; Softwood for Face and Core with a Urea-formaldehyde Glue/Resin fortified with Melamine or Phenolic Resin</b>	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
<b>Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, 2-propenoate (55818-57-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	



# All Hardwood & Softwood for Face and Core 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

<b>Trimethylolpropane triacrylate (15625-89-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Octamethylcyclotetrasiloxane (556-67-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
<b>Urea, polymer with formaldehyde (9011-05-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>2-Butoxyethanol (111-76-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Formaldehyde (50-00-0)</b>	
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	
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	500
<b>SARA Section 311/312 Hazard Classes</b>	Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>Urea (57-13-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Ammonium chloride (12125-02-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Sodium hydroxide (1310-73-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard
<b>Polyvinyl alcohol (9002-89-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Oxalic acid (144-62-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

## 15.2 US State Regulations

<b>Formaldehyde (50-00-0)</b>	
<b>U.S. - California - Proposition 65 - Carcinogens List</b>	WARNING: This product contains chemicals known to the State of California to cause cancer.
<b>Wood dust, all soft and hard woods (RR-00514-1)</b>	
<b>U.S. - California - Proposition 65 - Carcinogens List</b>	WARNING: This product contains chemicals known to the State of California to cause cancer.
<b>2-Butoxyethanol (111-76-2)</b>	
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	
<b>Formaldehyde (50-00-0)</b>	
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	

# All Hardwood & Softwood for Face and Core 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

U.S. - Pennsylvania - RTK (Right to Know) List
<b>Ammonium chloride (12125-02-9)</b>
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
<b>Sodium hydroxide (1310-73-2)</b>
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
<b>Oxalic acid (144-62-7)</b>
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
<b>Wood dust, all soft and hard woods (RR-00514-1)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List

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

<b>Revision Date</b>	: 10/08/2015
<b>Other Information</b>	: 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

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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
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)