SCHÖNOX® PU 900 Resin (A)

Revision Date 03/07/2018

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1. Identification

Product name	:	SCHÖNOX [®] PU 900 Resin (A)
Supplier	:	HPS North America, Inc., 511 Wilhite Street, Florence, AL 35630 USA
Telephone	:	256.246.0345
Telefax	:	256.246.0346
E-mail address	:	info@hpssubfloors.com
Emergency telephone	:	GBK/Infotrac ID 108313 at 1 800 535 5053 (USA) INTERNATIONAL: (001) 352 323 3500
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.

2. Hazards identification

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

See Section 11 for more detailed information on health effects and symptoms. There are no hazards not otherwise classified that have been identified during the classification process.

There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

3. Composition/information on ingredients

Hazardous ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

If inhaled	: Move to fresh air.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

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In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing.
If swallowed	 Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and	: No known significant effects or hazards.
delayed	See Section 11 for more detailed information on health effects and symptoms.
Protection of first-aiders	: No hazards which require special first aid measures.
Notes to physician	: Treat symptomatically.
5. Fire-fighting measures	
Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific extinguishing methods	 Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.
6. Accidental release measures	
Environmental precautions	: Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
7. Handling and storage	
Advice on safe handling	 For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products.
Conditions for safe storage	 Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

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Materials to avoid	: No data available
posure controls/personal	protection
Contains no substances with	n occupational exposure limit values.
Engineering measures	: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Personal protective equipr	ment
Respiratory protection	: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
	The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handlin the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Hand protection	
Remarks	 Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handlin chemical products if a risk assessment indicates this is necessary.
Eye protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures	 Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

9. Physical and chemical properties

Appearance	: paste
Color	: beige
Odor	: characteristic
Odor Threshold	: No data available
Flash point	: Note: Not applicable

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Autoignition temperature	:	Remarks: Not applicable
Decomposition temperature	:	No data available
Lower explosion limit (Vol%)	:	No data available
Upper explosion limit (Vol%)	:	No data available
Flammability (solid, gas)	:	No data available
Oxidizing properties	:	No data available
рН	:	Note: Not applicable
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Vapor pressure	:	0.01 mmHg (0.01 hpa)
Density	:	1.74 g/cm3 at 68 °F (20 °C)
Water solubility	:	Note: insoluble
Partition coefficient: n- octanol/water	:	No data available
Viscosity, dynamic	:	200,000 mPa.s
Viscosity, kinematic	:	> 20.5 mm2/s at 104 °F (40 °C)
Relative vapor density	:	No data available
Evaporation rate	:	No data available
Burning rate	:	No data available
Volatile organic compounds (VOC) content	:	0.0 g/l (calculated)

10. Stability and reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: No data available
Incompatible materials	: No data available

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11. Toxicological information

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Carcinogenicity

NTP

Not classified based on available information. IARC Not applicable

Not applicable

12. Ecological information

Other informationDo not empty into drains; dispose of this material and its
container in a safe way.Avoid dispersal of spilled material and runoff and contact
with soil, waterways, drains and sewers.

13. Disposal considerations

Disposal methods	
Waste from residues	: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Contaminated packaging	: Empty containers should be taken to an approved waste

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handling site for recycling or disposal.

14. Transport information

DOT Not dangerous goods IATA Not dangerous goods IMDG Not dangerous goods

Special precautions for user No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

15. Regulatory information

TSCA list	: On the inventory, or in compliance with the inventory
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EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards :	No SARA Hazards
SARA 302 :	This material does not contain any components with a section 302 EHS TPQ.
SARA 313 :	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act	
Ozone-Depletion Potential	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

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California Prop 65This product does not contain any chemicals known to the State
of California to cause cancer, birth, or any other reproductive
defects.

16. Other information

HMIS Classification

Health	1	1
Flammability		1
Physical Hazard		0

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

Notes to Reader

The information contained in this Safety Data Sheet applies only to the actual Product name identified and described herein ("Product Name"). This information is not intended to address, nor does it address the use or application of the identified Product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified Product that is believed to be reliable as of the date hereof. Prior to each use of the Product, the user must always read and follow the warnings and instructions on the Product's most current product label, Product Data Sheet, and Safety Data Sheet, which are available at www.schonox.us and/or the telephone number listed in Section 1 of this SDS.

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1. Identification

Product name	:	SCHÖNOX [®] PU 900 Hardener (B)
Supplier	:	HPS North America, Inc., 511 Wilhite Street, Florence, AL 35630 USA
Telephone	:	256.246.0345
Telefax	:	256.246.0346
E-mail address	:	info@hpssubfloors.com
Emergency telephone	:	GBK/Infotrac ID 108313 at 1 800 535 5053 (USA) INTERNATIONAL: (001) 352 323 3500
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.

2. Hazards identification

GHS Classification

Acute toxicity, Category 4 (Inhalation) Skin irritation, Category 2 Eye irritation, Category 2B Respiratory sensitization, Category 1

Skin sensitization, Category 1 Specific target organ systemic toxicity single exposure, Category 3, Respiratory system Specific target organ systemic toxicity repeated exposure, Category 2 (Inhalation) H332: Harmful if inhaled.
H315: Causes skin irritation.
H320: Causes eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

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

GHS label elements

Hazard pictograms



Signal Word

Hazard Statements

H315 + H320 Causes skin and eye irritation.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or

Revision Date 03/07/2018 Print Date 03/07/2018 repeated exposure if inhaled. : Prevention: **Precautionary Statements** P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves. P285 In case of inadequate ventilation wear respiratory protection. **Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor. P362 Take off contaminated clothing and wash before reuse. Storage: P403 + P233 Store in a well-ventilated place. Keep container tiahtly closed. P405 Store locked up. **Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

See Section 11 for more detailed information on health effects and symptoms. There are no hazards not otherwise classified that have been identified during the classification process.

There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

3. Composition/information on ingredients

Hazardous ingredients

Chemical name	CAS-No.	Concentration (%)
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	>= 50 - <= 100 %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

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If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	 Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: irritant effects sensitizing effects Asthmatic appearance
	Cough Respiratory disorder Allergic reactions Headache See Section 11 for more detailed information on health effects and symptoms.
	Causes skin and eye irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure if inhaled.
Protection of first-aiders	: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.
Notes to physician	: Treat symptomatically.
5. Fire-fighting measures	
Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific extinguishing methods	 Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment	: In the event of fire, wear self-contained breathing apparatus.
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for fire-fighters

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions	 Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7. Handling and storage

Advice on safe handling	:	 Avoid formation of aerosol. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Follow standard hygiene measures when handling chemical products.
Conditions for safe storage	:	Store in original container. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.
Materials to avoid	:	No data available

8. Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

Engineering measures	:	Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
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Personal protective equipment Respiratory protection : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Hand protection : Chemical-resistant, impervious gloves complying with an Remarks approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary. Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

9. Physical and chemical properties

Appearance	:	liquid
Color	:	brown
Odor	:	characteristic
Odor Threshold	:	No data available
Flash point	:	446 °F (230 °C)
Autoignition temperature	:	752 °F (400 °C)
Decomposition temperature	:	No data available
Lower explosion limit (Vol%)	:	No data available
Upper explosion limit (Vol%)	:	No data available
Flammability (solid, gas)	:	No data available

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Oxidizing properties	:	No data available
рН	:	Note: Not applicable
Melting point/range /	:	No data available
Freezing point Boiling point/boiling range	:	> 392 °F (200 °C)
Vapor pressure	:	0.01 mmHg (0.01 hpa)
Density	:	1.24 g/cm3 at 68 °F (20 °C)
Water solubility	:	Note: insoluble
Partition coefficient: n-	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	>20.5 mm2/s at 104 °F (40 °C)
Relative vapor density	:	No data available
Evaporation rate	:	No data available
Burning rate	:	No data available
Volatile organic compounds (VOC) content	:	0.0 g/l (calculated)

10. Stability and reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: No data available
Incompatible materials	: No data available

11. Toxicological information

Acute toxicity Harmful if inhaled.		
Ingredients: Diphenylmethanediisocyana Acute oral toxicity		isomeres and homologues: LD50 Oral (Rat): > 10,000 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: 1.5 mg/l

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	Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgment
Acute dermal toxicity	: LD50 Dermal (Rabbit): > 9,400 mg/kg
Skin corrosion/irritatio Causes skin irritation.	n
Serious eye damage/ey Causes eye irritation.	e irritation
	nsitization cause an allergic skin reaction. :: May cause allergy or asthma symptoms or breathing difficulties if
Germ cell mutagenicity Not classified based on a	
Reproductive toxicity Not classified based on a	available information.
STOT-single exposure May cause respiratory ir	ritation.
STOT-repeated exposu	Ire
May cause damage to o	rgans through prolonged or repeated exposure if inhaled. re allergic reaction may occur when subsequently exposed to very low
Aspiration toxicity	
Not classified based on a	available information.
Carcinogenicity	
Not classified based on a IARC	available information. Not applicable
NTP	Not applicable
2. Ecological information	
Other information	Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13. Disposal considerations

Disposal methods

Waste from residues	Disposal of this product, solutions and any by-products should
	at all times comply with the requirements of environmental

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	protection and waste disposal legislation and any local authority requirements.	regional
Contaminated packaging	: Empty containers should be taken to an approved handling site for recycling or disposal.	d waste

14. Transport information

DOT Not dangerous goods IATA Not dangerous goods IMDG Not dangerous goods

Special precautions for user No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

15. Regulatory information

TSCA list : On the inventory, or in compliance with the inventory

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	 Chronic Health Hazard Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization Specific target organ toxicity (single or repeated exposure)
SARA 302	This material does not contain any components with a section 302 EHS TPQ.
SARA 313	The following components are subject to reporting levels established by SARA Title III, Section 313: Diphenylmethanediisocyana 9016-87-9 te, isomeres and homologues

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Clean Air Act

Ozone-Depletion Potential	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Air Act Section 112 (40 CF This product does not cont	ain any hazardous air pollutants (HAP), as defined by the U.S. Clean R 61). ain any chemicals listed under the U.S. Clean Air Act Section 112(r) for the
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive

defects.

16. Other information

HMIS Classification

Health	*	3
Flammability		1
Physical Hazard		0
Personal Protection		x

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

Notes to Reader

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