



WonderGlass™

Material Safety Data Sheet

1. Identification

Product identifier: WONDERGLASS™

Other means of identification:

Synonyms: Organosilane Emulsion in water

Recommended use and restriction on use:

Recommended use: GLASS SURFACES

Manufacturer/Importer Information:

WonderPaint, INC.

249 Old Zion Church Road, Woodburn, Kentucky 52170

Contact Name: Eric Hart

Telephone: (270) 792-5451

Email: ehart249@earthlink.net

Distributor Information:

WonderPaint Distribution LLC.

635 W. MAIN 2nd Floor, Louisville, Kentucky 40202

Contact Name: Bruce Widener

Telephone: (502) 654-8963

Email: bwidener@wonderpaint.com

Customer Service Centre Telephone:

+1 270 792-6451

Emergency telephone number:

Europe, Israel, Middle East & All other countries:

+1 270 792-6451

2. Hazard(s) identification

Hazard Classification

Health Hazards

Serious Eye Damage/Eye Irritation: Category 2A

Carcinogenicity: Category 2

Specific Target Organ Toxicity: Category 1¹

Repeated Exposure Aspiration Hazard: Category 1

Target Organs: Skin, Lung

Label Elements

Hazard Symbol: WONDERGLASS™

Signal Word: Danger



Hazard Statement:

May be fatal if swallowed and enters airways.

Causes serious eye irritation. Suspected of causing cancer.

Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention:

Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust or mists. Do not eat, drink or smoke when using this product.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None

Substance(s) formed under the conditions of use:

Mixture





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3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*	Notes
Hydrocarbon Solvent	Trade secret	0.5 - <1%	This substance has workplace exposure limit(s). ¹
Ethoxylated Alcohol	Trade secret	.05- <1%	No data available.
Diethanolamine	111-42-2	0.007- <1%	This substance has workplace exposure limit(s). ¹

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information: ** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

General information:

No action shall be taken involving any personal risk or without suitable training.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water.

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Skin Contact: Wash the skin immediately with soap and water. Contact physician if irritation continues.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician for specific advice.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: There is no specific antidote. Treatment is symptomatic and supportive.

5. Fire-fighting measures

General Fire Hazards: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Suitable/unsuitable extinguishing media

Suitable extinguishing media: All standard extinguishing agents are suitable.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical:

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:

Use water spray to keep fire-exposed containers cool.

Special protective equipment

Firefighters must wear NIOSH/MSHA approved positive pressure self for fire-fighters: contained breathing apparatus with full face mask and full protective clothing.





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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin and eyes. Keep out of reach of children. **Attention:** Not for injection into humans

Methods and material for containment and cleaning up: Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Keep unauthorized personnel away.

Environmental Precautions:

Do not allow runoff to sewer, waterway or ground.

7. Handling and storage

Precautions for safe handling:

Sensitivity to static discharge is not expected. Avoid contact with eyes, skin, and clothing. See Section 8 of the SDS for Personal Protective Equipment. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.

Conditions for safe storage:

Keep container tightly closed in a cool, well-ventilated place. Store in including any original container.

Incompatibilities: None.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits¹

Chemical Identity	Type	Exposure Limit Values	Source
Hydrocarbon solvent - Inhalable fraction.	TWA	5 mg/m ³	US. ACGIH Threshold Limit Values (03 2015)
Hydrocarbon solvent - Mist.	REL	5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	10 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Diethanolamine - Inhalable fraction and vapor	TWA	1 mg/m ³	US. ACGIH Threshold Limit Values (03 2015)
Diethanolamine	REL	3 ppm 15 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	3 ppm 15 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)





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Appropriate Engineering Controls

Eyewash bottle with clean water. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information: General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

Eye/face protection: Safety glasses with side shields
Monogoggles

Skin Protection

Hand Protection: Wear protective gloves.

Other: Wear suitable protective clothing and eye/face protection.

Respiratory Protection:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

Hygiene measures: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash Point: > 94 °C does not flash Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.

Explosive limit - upper (%): No data available.

Explosive limit - lower (%): No data available.

Heat of combustion: No data available.

Vapor pressure: No data available.

Vapor density: No data available.

Density: 0.996 g/cm³ (25 °C)

Relative density: 0.92

Solubility(ies)

Solubility in water: Soluble

Solubility (other): Soluble

Partition coefficient (n-octanol/water) Log Pow: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

SADT: No data available.

Viscosity, dynamic: No data available.

Viscosity, kinematic: > 20.5 mm²/s (40 °C)

VOC: 439 g/l

9. Physical and chemical properties

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Appearance

Physical state: Liquid

Form: Liquid

Color: White

Odor: Faint

Odor threshold: No data available.

pH: 8.2 (25 °C)





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10. Stability and reactivity

Reactivity: No data available.

Chemical Stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

Hazardous polymerisation does not occur.

Conditions to avoid: Avoid frost.

Incompatible Materials: Strong Acids, Strong Bases

Hazardous Decomposition Products:

Carbon oxides Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information

Information on likely routes of exposure

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 9,322.03 mg/kg

Specified substance(s):

Diethanolamine

LD 50 (Guinea Pig, No data available.): 2,000 mg/kg

LD 50 (Rat, males): 710 mg/kg

LD 50 (Rat, No data available.): 710 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Diethanolamine:

LD 50 (Rabbit, No data available.): 12,200 mg/kg

LD 50 (Rabbit, No data available.): 3,000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Diethanolamine

Overall evaluation: Possibly carcinogenic to humans.





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US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product: No data available.

In vivo Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Target Organs

Specific Target Organ Toxicity - Repeated Exposure: Skin, Lung

Aspiration Hazard

Product: No data available.

Other effects: No data available.

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Oral: No data available.

Dermal: No data available.

Inhalation: No data available.

Repeated dose toxicity: No data available.

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: No data available.

Respiratory or Skin Sensitization: No data available.

Carcinogenicity: No data available.

IARC Monographs on the Evaluation of

Carcinogenic Risks to Humans: No data available.

US. National Toxicology Program (NTP) Report on Carcinogens: No data available.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No data available.

Germ Cell Mutagenicity

In vitro: No data available.

In vivo: No data available.

Reproductive toxicity: No data available.

Specific Target Organ Toxicity - Single Exposure: No data available.

Specific Target Organ Toxicity - Single Exposure: No data available.

Target Organs

Aspiration Hazard: No data available.

Other effects: No data available.





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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product: No data available.

Specified substance(s):

Diethanolamine

LC0 (Leuciscus idus, 48 h): > 1,000 mg/l

LC50 (Leuciscus idus, 48 h): > 1,430 mg/l

LC50 (Pimephales promelas, 48 h): 1,460 mg/l

Aquatic Invertebrates: No data available.

Specified substance(s)

Diethanolamine: EC50 (Daphnia magna): > 109 mg/l
(Daphnia magna): 50 mg/l

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability Biodegradation

Product: No data available.

Specified substance(s):

Diethanolamine

93 % (28 d, OECD-Guideline 301 C (Modified MITI Test 1))

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments Hydrocarbon solvent No data available.

Hydrocarbon solvent: No data available.

Ethoxylated Alcohol: No data available.

Diethanolamine: No data available.

Other adverse effects: No data available.

* All Test data based on a concentration of raw material of 40% concentrate. Our concentrate is less than 1%.

13. Disposal considerations

Disposal instructions:

Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging:

Dispose of as unused product.

14. Transport information

DOT: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

Special precautions for user:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.





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15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4): None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories: Immediate (Acute) Health Hazards, Delayed (Chronic), Health Hazard, Fire Hazard

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Qty.
Hydrocarbon solvent	10000 lbs
Ethoxylated Alcohol	10000 lbs
Diethanolamine	10000 lbs

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Australia AICS:	Y (positive listing)	Remarks: None.
EU EINECS List:	Y (positive listing)	Remarks: None.
Japan (ENCS) List:	Y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
Taiwan. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Diethanolamine
Ethanol

Carcinogenic.
Developmental toxin.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity: Water, Organoalkoxysilane, Hydrocarbon Solvent, Ethoxylated Alcohol, Related Silanes and Silsesquioxanes, Diethanolamine

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances Chemical Identity

Hydrocarbon solvent

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.





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16. Other information, including date of preparation or last revision

HMIS Hazard ID

Issue Date:

01/24/2017

Revision Date:

No data available.

Version #:

1.12

Further Information:

No data available.

Disclaimer: Notice to reader

Unless otherwise specified in section 1.2, WonderPaint products are intended for industrial application only. They are not intended for specific medical applications, neither for longlasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

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

®, *, and TM indicate

HEALTH	2
FLAMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe;
RNP - Rating not possible; *Chronic health effect

