

Safety Data Sheet

Century Clear Urethane – R0141

SDS Revision Date:

10/10/2017

1. Identification

1.1. Product identifier

Product Identity Century Clear Urethane – R0141
Alternate Names Century Clear Urethane – R0141

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Commercial mirroring.

1.3. Details of the supplier of the safety data sheet

Company Name Angel Gilding
1945 Gardner Rd.
Broadview IL 60155 USA

Emergency

24 hour Emergency Telephone 708-383-3340

Customer Service: Angel Gilding 708-383-3340

2. Hazard(s) identification

Label elements



Signal word WARNING

GHS Ratings

Reproductive toxin 2 Human or animal evidence possibly with other information

GHS Hazards

H361 Suspected of damaging fertility or the unborn child

GHS Precautions

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 USE PERSONAL PROTECTIVE EQUIPMENT as required.
P308+313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with Local, State and Federal Regulations.

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3. Composition/information on ingredients

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	65.66%
Diethylene glycol monobutyl ether	112-34-5	5.09%

4. First aid measures

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get medical attention immediately. Remove contact lenses if possible.

Skin Contact:

Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Discard contaminated leather articles such as shoes and belt. Do not apply oils or ointments unless ordered by physician.

Inhalation:

Remove to FRESH air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion:

If fully conscious, give two glasses of water, then induce vomiting by touching the back of the throat with finger. Keep head below hips to prevent aspiration of liquid into lungs. CALL A PHYSICIAN IMMEDIATELY. Never induce vomiting or give anything by mouth to an unconscious victim.

NOTE TO PHYSICIANS:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Individuals experiencing breathing difficulties after exposure to vapor generated in aerosol applications should be observed for at least 48 hours in case delayed respiratory complications develop.

5. Fire-fighting measures

Flash Point: -101 C (214 F)

Lower Explosive Limit:

Upper Explosive Limit:

Extinguishing Media:

ALCOHOL FOAM - CO2 - DRY CHEMICAL FOAM - WATER FOG

Unusual Fire and Explosion Hazards:

Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Do not use when smoking or where electrical sparks or open flame is present.

Fire Fighting:

Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

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Fire Equipment:

As in a fire, always wear self-contained breathing apparatus in pressure demand (MSA/NIOSH approved or equivalent), and full protective gear.

6. Accidental release measures

Spill and Leak Procedures:

Spill supervisor: Ensure clean-up personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personal away from the contaminated area.

Small Spills:

Absorb spilled liquid with sorbent pads, socks, or other inert material such as vermiculite, sand or earth.

Large Spills:

Avoid run-off into sewers and ditches leading to waterways. Use only non-sparking tools and equipment. A vapor suppressing foam may be used. Approach the spill for upwind and place it in a suitable container. Disposal should be in accordance with Local, State and Federal Regulations.

7. Handling and storage

Handling Precautions:

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep container closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C)

Grounding:

When transferring, fill stem and container must be grounded and bonded. Store in a cool, dry area with ventilation suitable for storing materials shown in Section 2. Keep away from heat, sparks and open flame. Do not cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition: they may explode and cause injury or death.

8. Exposure controls and personal protection

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	Not established	Not established	Not established
Diethylene glycol monobutyl ether 112-34-5	Not established	10 ppm TWA (inhalable fraction and vapor)	Not established

ENGINEERING: Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the work place. Use explosion proof equipment and good manufacturing practice.

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH'S TLV 1 limit.

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OTHER PRECAUTIONS: Provide respiratory protection against fumes generated during burning. Avoid prolonged contact with skin and breathing of vapors..

PROTECTIVE GEAR: Niosh/Osha approved respirator types suitable for materials in section 2 recommended. Approved airline type respirators or hoods recommended in confined areas. Wear protective gear/clothing/eye/face as required.

CONTAMINATED GEAR: Take off immediately any contaminated clothing and wash it before reuse.

9. Physical and chemical properties

Appearance:	Liquid dispersion	Odor:	Characteristic
Vapor Pressure:	Not applicable	Odor Threshold:	Not applicable
Vapor Density:	Heavier than air	pH	Not applicable
Specific Gravity:	1.03	Melting Point:	Not applicable
Freezing Point:	Not applicable	Solubility:	Not applicable
Boiling Range:	100 ° C	Flash Point:	101 ° C, 214 ° F
Evaporation Rate:	Slower than ether	Physical State:	Liquid
Percent Water:	65.66%	Percent Inert:	27.40%
Viscosity:	Not applicable	Boiling Point:	100 ° C
VOC: Regulatory:	323 gr/ltr	VOC: Regulatory:	2.70 lb/gl
VOC: Actual	115 gr/ltr	VOC: Actual	0.96 lb/gl

10. Stability and reactivity

Stability: Stable

Components of this mixture are incompatible with the following materials:

No data found

This mixture is likely to exhibit the following combustions products:

No data found

Hazardous polymerization

Will not occur

11. Toxicological information

Mixture Toxicity:

Component Toxicity:

112-34-5 Diethylene glycol monobutyl ether

Oral LD50: 3,384 mg/kg (Rat) Dermal LOSO: 2,700 mg/kg; (Rabbit)

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Toxicological Information: No data found

ROUTES OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Contact

Exposure to this material may affect the following organs:

Effects of Overexposure

Carcinogenicity:

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

12. Ecological information

Component Ecotoxicity

Diethylene glycol monobutyl ether	96 Hr LC50 Lepomis macrochirus: 1300 mg/L (static) 8 Hr ECS0 Daphnia magna: > 100 mg/L 96 Hr ECS0 Desmodesmus subspicatus: > 100 mg/L
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13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

	DOT	IMDG	IATA
14.1 UN/ID	Not Regulated	Not Regulated	Not Regulated
14.2 Proper shipping name	WB Paint	WB Paint	WB Paint
14.3 Hazard Class			
14.4 Packing Group			

15. Regulatory information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

None

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This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372:

None

EU Risk Phrases:

Safety Phrases:

16. Other information

Health hazards	Flammability	<u>HMIS</u>	Physical hazard	Personal Protection
2	1		0	1

Revision Date

October 10, 2017

Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet