

W1000

Version 3.0 Revision Date: 07/16/2019 SDS Number: 400000005537 Date of last issue: 03/14/2018
Date of first issue: 04/20/2017

SECTION 1. IDENTIFICATION

Product name : W1000

Manufacturer or supplier's details

Company name of supplier : Venator Americas LLC
Address : 10001 Woodloch Forest Drive
The Woodlands,
TX 77380
United States of America (USA)
Telephone : (001) 844 831 6720
Telefax : (001) 281 465 6731
E-mail address of person responsible for the SDS : msds@venatorcorp.com
Emergency telephone number : USA & Canada: +1-800-424-9300 Other Americas: +1-703-741-5970 [CCN 820025]


Recommended use of the chemical and restrictions on use

Recommended use : Industrial use
Sealant

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Skin irritation : Category 2
Eye irritation : Category 2A

GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.

Storage:

Not available

Disposal:

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
2-butoxyethanol	111-76-2	1 - 5
ammonia, aqueous solution	1336-21-6	0.25 - 1
ammonia, anhydrous	7664-41-7	0.1 - 0.25

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray
Foam
Dry powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

W1000

Version 3.0 Revision Date: 07/16/2019 SDS Number: 400000005537 Date of last issue: 03/14/2018
 Date of first issue: 04/20/2017

- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Strong acids and strong bases
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	50 ppm 240 mg/m ³	OSHA Z-1
ammonia, aqueous solution	1336-21-6	TWA	25 ppm (Ammonia)	ACGIH
		STEL	35 ppm (Ammonia)	ACGIH
ammonia, anhydrous	7664-41-7	TWA	50 ppm 35 mg/m ³	OSHA Z-1
		TWA	25 ppm (Ammonia)	ACGIH
		STEL	35 ppm (Ammonia)	ACGIH

Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines
- Hand protection
 Material : Protective gloves
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Impervious clothing
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : milky, white

Odour : ammoniacal

Odour Threshold : No data is available on the product itself.

pH : 9 - 10

Freezing point : No data is available on the product itself.

Melting point : No data is available on the product itself.

Initial boiling point and boiling range : > 212 °F / > 100 °C

Flash point : No data is available on the product itself.

Evaporation rate : No data is available on the product itself.

Flammability (solid, gas) : No data is available on the product itself.

Flammability (liquids) : No data is available on the product itself.

Upper explosion limit / Upper flammability limit : No data is available on the product itself.

Lower explosion limit / Lower flammability limit : No data is available on the product itself.

Vapour pressure : 24 hPa (77 °F / 25 °C)

Relative vapour density : No data is available on the product itself.

Relative density : No data is available on the product itself.

Density : No data is available on the product itself.

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-octanol/water : No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	40000005537	Date of first issue: 04/20/2017

Thermal decomposition : No data is available on the product itself.

Self-Accelerating decomposition temperature (SADT) : No data is available on the product itself.

Viscosity : No data is available on the product itself.

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

None known.

Conditions to avoid : Extremes of temperature and direct sunlight.
Do not freeze.

Incompatible materials : Strong acids and strong bases

Hazardous decomposition products : Carbon dioxide (CO₂)
Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data is available on the product itself.

Acute toxicity

Acute oral toxicity - Product : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity - Product : Acute toxicity estimate: > 200 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity - Product : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Acute toxicity (other routes of exposure) : No data available

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

administration)

Skin corrosion/irritation**Product:**

Result: Irritating to skin.

Remarks: May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation**Product:**

Result: Eye irritation

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation**Components:**

2-butoxyethanol:

Exposure routes: Skin

Species: Guinea pig

Result: Does not cause skin sensitisation.

ammonia, anhydrous:

Exposure routes: Skin

Result: Does not cause skin sensitisation.

Assessment: No data available

Germ cell mutagenicity**Components:**

ammonia, aqueous solution:

Genotoxicity in vitro

: Concentration: 10 mg/plate
Metabolic activation: negative
Result: negative

ammonia, anhydrous:

Genotoxicity in vitro

: Test Type: reverse mutation assay
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Components:

ammonia, anhydrous:

Genotoxicity in vivo

: Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

No data available

Carcinogenicity -
Assessment

: No data available

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH Confirmed animal carcinogen with unknown relevance to humans
2-butoxyethanol

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Effects on fertility : No data available

Effects on foetal development : No data available

Reproductive toxicity - Assessment : No data available

STOT - single exposure**Components:**

ammonia, aqueous solution:

Target Organs: Respiratory Tract

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

STOT - repeated exposure

No data available

Repeated dose toxicity**Components:**

2-butoxyethanol:

Species: Mouse, male and female

: < 69 ppm

Application Route: Ingestion

Test atmosphere: vapour

Exposure time: 2,184 h

Method: Subchronic toxicity

Species: Rat, male and female

NOAEL: > 150 mg/kg/d

Application Route: Skin contact

Exposure time: 2,160 h

Method: Subchronic toxicity

W1000

Version 3.0 Revision Date: 07/16/2019 SDS Number: 400000005537 Date of last issue: 03/14/2018
Date of first issue: 04/20/2017

Repeated dose toxicity - Assessment : No data available

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information**Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:**

2-butoxyethanol:
Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,474 mg/l
Exposure time: 96 h
Test substance: Fresh water
Method: OECD Test Guideline 203

ammonia, anhydrous:
Toxicity to fish : LC50: 0.47 mg/l
Exposure time: 96 h

W1000

Version 3.0 Revision Date: 07/16/2019 SDS Number: 400000005537 Date of last issue: 03/14/2018
Date of first issue: 04/20/2017

LC50: 0.76 mg/l
Exposure time: 96 h

LC50: 0.96 - 1.05 mg/l
Exposure time: 96 h

Components:

2-butoxyethanol:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,550 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202

ammonia, anhydrous:

Toxicity to daphnia and other aquatic invertebrates : EC50: 25.4 mg/l
Exposure time: 48 h

LC50 (Daphnia magna (Water flea)): 101 mg/l
Exposure time: 48 h
Method: ASTM Method, other

Components:

2-butoxyethanol:

Toxicity to algae/aquatic plants : NOEC (Selenastrum capricornutum (green algae)): 286 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 201

Components:

ammonia, aqueous solution:

M-Factor (Acute aquatic toxicity) : 1

ammonia, anhydrous:

M-Factor (Acute aquatic toxicity) : 1

Components:

2-butoxyethanol:

Toxicity to fish (Chronic toxicity) : NOEC (Brachydanio rerio (zebrafish)): > 100 mg/l
Exposure time: 28 d
Test substance: Fresh water

ammonia, anhydrous:

Toxicity to fish (Chronic toxicity) : LC0: < 1 mg/l

Components:

2-butoxyethanol:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 100 mg/l
Exposure time: 21 d
Test Type: semi-static test

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

Test substance: Fresh water

M-Factor (Chronic aquatic toxicity) : No data available

Components:

2-butoxyethanol:

Toxicity to microorganisms : IC50 (Pseudomonas putida): 700 mg/l
Exposure time: 16 h

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment

Components:

ammonia, aqueous solution:

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

Persistence and degradability**Components:**

2-butoxyethanol:

Biodegradability : Inoculum: activated sludge
Concentration: 100 mg/l
Result: Readily biodegradable.
Biodegradation: 96 %
Exposure time: 28 d

ammonia, anhydrous:

Biodegradability : Result: Readily biodegradable.
Biodegradation: > 60 %
Exposure time: 28 d

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand (COD) : No data available

BOD/COD : No data available

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC) : No data available

Physico-chemical removability : No data available

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage Treatment : No data available

Bioaccumulative potential

Bioaccumulation : No data available

Components:

2-butoxyethanol:
Partition coefficient: n-octanol/water : log Pow: 0.8

ammonia, anhydrous:
Partition coefficient: n-octanol/water : log Pow: -1.14

Mobility in soil

Mobility : No data available

Distribution among environmental compartments : No data available

Stability in soil : No data available

Other adverse effects

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No data available

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

Hazardous to the ozone layer

W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82
Protection of Stratospheric Ozone - CAA Section 602 Class I
Substances
Remarks: 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).

Additional ecological information : No data available

Global warming potential (GWP) : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water
courses or the soil.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA**

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations**DOT Classification**

Not regulated as dangerous goods

W1000

Version 3.0 Revision Date: 07/16/2019 SDS Number: 400000005537 Date of last issue: 03/14/2018
 Date of first issue: 04/20/2017

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ammonia, anhydrous	7664-41-7	100	*
ammonia, aqueous solution	1336-21-6	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

2-butoxyethanol 111-76-2 >= 1 - < 5 %

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

California Prop. 65

WARNING! This product can expose you to chemicals, as trace impurities and not intentionally added, known to the State of California to cause cancer (C), birth defects (M) or other reproductive (R) harm. For more information, go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

CH INV : The formulation contains substances listed on the Swiss Inventory, Not in compliance with the inventory
 DSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.
 AICS : Not in compliance with the inventory
 NZIoC : Not in compliance with the inventory
 ENCS : Not in compliance with the inventory
 KECI : Not in compliance with the inventory
 PICCS : Not in compliance with the inventory
 IECSC : Not in compliance with the inventory
 TCSI : Not in compliance with the inventory
 TSCA : All substances listed as active on the TSCA inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

TSCA - 5(a) Significant New Use Rule List of Chemicals

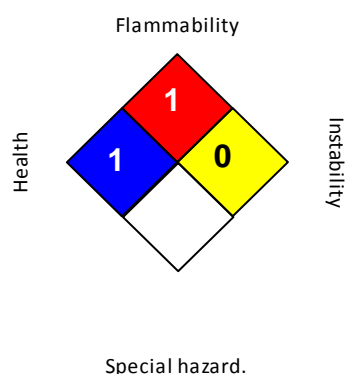
No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No substances are subject to TSCA 12(b) export notification requirements.

W1000

Version 3.0 Revision Date: 07/16/2019 SDS Number: 400000005537 Date of last issue: 03/14/2018
 Date of first issue: 04/20/2017

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****HMIS® IV:**

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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.

LABEL CODE : 0006

Sources of key data used to compile the Safety Data Sheet : Information taken from reference works and the literature., Information derived from practical experience.

Revision Date : 07/16/2019

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1
 Limits for Air Contaminants
 ACGIH / TWA : 8-hour, time-weighted average
 ACGIH / STEL : Short-term exposure limit
 OSHA Z-1 / TWA : 8-hour time weighted average

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W1000

Version	Revision Date:	SDS Number:	Date of last issue: 03/14/2018
3.0	07/16/2019	400000005537	Date of first issue: 04/20/2017

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