



Safety Data Sheet

ADMX 1900(TM) PART B
Revision Number 2.01

Revision Date 10-Jun-2019
Supersedes Date: 06-May-2019

1. Identification

1.1. Product Identifier

Product Name ADMX 1900(TM) PART B

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

Recommended use Curing chemical.
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party

Bostik Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1 (800) 843-0844 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)
Fax: +1 (414) 774-8075

E-mail msds@bostik.com

1.4. Emergency telephone number

Telephone: 1-800-227-0332
(Outside U.S.) 1-703-527-3887

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1

2.2. Label Elements

EMERGENCY OVERVIEW

Danger

Hazard statements

Harmful if inhaled
Causes severe skin burns and eye damage
May cause an allergic skin reaction

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Appearance No information available

Odor Ammonia

Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown acute toxicity

21 % of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other Information

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical name	CAS No.	Weight-%
Tall oil fatty acids, reaction product with Tetraethylene pentamine	68953-36-6	10 - 30
Diethylenetriamine	111-40-0	1 - 5
Tetraethylenepentamine	112-57-2	1 - 5
Triethylenetetramine	112-24-3	0.1 - 1

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

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Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Remove/Take off immediately all contaminated clothing. If medical advice is needed, have product container or label at hand.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. May cause sensitization by skin contact. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
Self-protection of the first aider	First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Can burn mouth, throat, and stomach. Causes severe skin burns and eye damage. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization by skin contact. Treat symptomatically.
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4.4. Reference to Other Sections

Reference to other sections	Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION Section 11: TOXICOLOGY INFORMATION
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Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

Unsuitable extinguishing media

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Ammonia.

Explosion Data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

5.3. Advice for firefighters

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Special protective actions for fire-fighters

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

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Do not touch damaged packages or spilled material.

6.2. Environmental precautions

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

6.4. Reference to other sections

Reference to other sections

Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. After contact with skin, wash immediately with plenty of water and soap. Wash contaminated clothing before reuse. Special precautions. For mixing of both components: Please refer also to Safety Data Sheet of Part B. For application method and dose rate, refer to the technical data sheet. Important: Do not leave mixed material in the container - curing in bulk can lead to excessive heat.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep in properly labeled containers. Keep away from food, drink and animal feeding stuffs. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Incompatible materials

Exothermic reaction with. Acids.

7.3. Specific end use(s)

Specific Use(s)

Curing chemical.

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Other information No information available.

7.4. References to Other Sections

Reference to other sections Section 13: DISPOSAL CONSIDERATIONS
Section 10: STABILITY AND REACTIVITY

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Diethylenetriamine 111-40-0	TWA: 1 ppm S*	TWA: 1 ppm TWA: 4 mg/m ³	-	TWA: 1 ppm TWA: 4.2 mg/m ³
Chemical name	Argentina	Brazil	Chile	Venezuela
Diethylenetriamine 111-40-0	TWA: 1 ppm Skin	-	-	Skin TWA: 1 ppm

8.2. Exposure controls

Engineering controls Provide local exhaust ventilation. in the case of spray application. Please refer also to Safety Data Sheet of Part A. Showers
Eyewash stations
Ventilation systems.

Personal protective equipment [PPE]

Eye/face protection

Wear safety glasses with side shields (or goggles). Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Skin and body protection

Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes or clothing. Take off immediately all contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State Liquid
Color light brown
Odor Ammonia
Odor Threshold No information available

Property	Values	Remarks • Method
pH	12.0	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash Point	> 93.3 °C / > 200 °F	

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Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability or explosive limits	No information available
Lower flammability or explosive limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	No information available
Water Solubility	No information available
Solubility in Other Solvents	
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Kinematic Viscosity	No information available
Dynamic Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
9.2. Other information	
Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	25.0
Density	.990 g/cm ³
VOC (volatile organic compound)	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

After mixing the two components, the curing reaction starts. In bulk this reaction can be vigorous.

10.4. Conditions to avoid

None known if handled according to instructions.

10.5. Incompatible materials

Exothermic reaction with. Acids.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Ammonia. Amines.

Section 11: TOXICOLOGY INFORMATION

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11.1. Information on toxicological effects

Product Information	No data available
Inhalation	Harmful by inhalation.
Eye contact	Corrosive to eyes.
Skin contact	Contact causes severe skin irritation and possible burns. May cause sensitization by skin contact.
Ingestion	Can burn mouth, throat, and stomach.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylenetriamine 111-40-0	= 1080 mg/kg (Rat)	= 1045 mg/kg (Rabbit)	= 0,07 - 0.3 mg/L (Rat) 4 h
Tetraethylenepentamine 112-57-2	= 3990 mg/kg (Rat)	= 660 µL/kg (Rabbit)	-
Triethylenetetramine 112-24-3	LD 50 = 1716 mg/kg (Rat) OECD 401	LD50 = 1465 mg/kg (Rabbit) OECD 402	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms	No information available.
Skin corrosion/irritation	Contact causes severe skin irritation and possible burns.
Serious eye damage/eye irritation	Causes severe eye damage.
Irritation	No information available.
Corrosivity	No information available.
Sensitization	May cause sensitization by skin contact. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.
Germ cell mutagenicity	No information available.
Reproductive toxicity	No information available.
Developmental Toxicity	No information available.
Teratogenicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.
Target Organ Effects	Eyes, Skin, Respiratory system.
Aspiration hazard	No information available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC or NTP at or above 0.1 wt%.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Diethylenetriamine 111-40-0	EC50 72 h = 1164 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h = 248 mg/L (Poecilia reticulata static)	EC50 = 2000 mg/L 1 h EC50 = 96 mg/L 17 h	EC50 48 h = 16 mg/L (Daphnia magna)
Tetraethylenepentamine	EC50: =2.1mg/L (72h,	LC50: =420mg/L (96h,		EC50: =24.1mg/L (48h,

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112-57-2	Pseudokirchneriella subcapitata)	Poecilia reticulata)		Daphnia magna)
Triethylenetetramine 112-24-3	EC50: =2.5mg/L (72h, Desmodesmus subspicatus) EC50: =20mg/L (72h, Pseudokirchneriella subcapitata) EC50: =3.7mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =495mg/L (96h, Pimephales promelas) LC50: =570mg/L (96h, Poecilia reticulata)		EC50: =31.1mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

Contaminated packaging

Dispose of in accordance with federal, state and local regulations

Section 14: TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

Section 15: REGULATORY INFORMATION

Global Inventories

TSCA	Listed
DSL	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

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United States of America

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Classification is shown in section 2 of this SDS

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

Key Literature References and Sources for Data

No information available

Prepared By	Product Safety & Regulatory Affairs
Revision Date	10-Jun-2019
Revision note	SDS sections updated, 1.
Training Advice	When working with hazardous materials, regular training of operators is required by law
Further information	No information available

Disclaimer

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End of Safety Data Sheet