

# Safety data sheet

## AM700 AEROMAX PRM ETCH

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Version: 4.0

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(30147778/CDU\_GEN\_US/EN)

### 1. Substance/preparation and company identification

Company

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

### 2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard;  
29 CFR Part 1910.1200

Classification of the product

Skin corrosion/irritation	2	
Serious eye damage/eye irritation	1	
Skin sensitization	1	
Flammable aerosols	1	
Specific target organ toxicity – single exposure	3	Vapours may cause drowsiness and dizziness.
Flammable liquids	2	

Label elements

Pictogram:

Flame  
Corrosion  
Exclamation mark

Signal Word:

Danger

Hazard Statement:

H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H222 Extremely flammable aerosol.  
H225 Highly flammable liquid and vapour.  
H229 Pressurized container: May burst if heated.

Precautionary Statements (Prevention):

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P211	Do not spray on an open flame or other ignition source.
P240	Ground/bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P264	Wash with plenty of water and soap thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P251	Do not pierce or burn, even after use.

### Precautionary Statements (Response):

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P362 + P364	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
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.
P310	Immediately call a POISON CENTER or doctor/physician.

### Precautionary Statements (Storage):

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P403 + P235	Store in a well-ventilated place. Keep cool.

### Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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Hazards not otherwise classified

No applicable information available.

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According to Regulation 1994 OSHA Hazard Communication Standard;  
29 CFR Part 1910.1200

Emergency overview  
EXTREMELY FLAMMABLE  
COMPRESSED GAS  
Flammable aerosol  
HARMFUL IF INHALED  
CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE  
CAN CAUSE LIVER DAMAGE  
CAN CAUSE KIDNEY DAMAGE  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION  
SUSPECT CANCER HAZARD  
MAY CAUSE PULMONARY EDEMA  
INGESTION MAY CAUSE GASTRIC DISTURBANCES

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### 3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard;  
29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
67-64-1	15.0 - 20.0 %	acetone
78-83-1	5.0 - 7.0 %	isobutanol
25068-38-6	1.0 - 3.0 %	bisphenol-A- epoxy resin
71-23-8	15.0 - 20.0 %	1-propanol

According to Regulation 1994 OSHA Hazard Communication Standard;  
29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
115-10-6	25.0 - 50.0 %	dimethyl ether
71-23-8	15.0 - 20.0 %	1-propanol
67-64-1	15.0 - 20.0 %	acetone
Proprietary	5.0 - 7.0 %	Epoxy Resin
78-83-1	5.0 - 7.0 %	isobutanol
13463-67-7	5.0 - 7.0 %	titanium dioxide
107-98-2	1.0 - 3.0 %	1-methoxy-2-propanol
25068-38-6	1.0 - 3.0 %	bisphenol-A- epoxy resin
108-65-6	1.0 - 3.0 %	1-methoxy-2-propyl acetate
100-41-4	0.1 - 0.2 %	ethylbenzene

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### 4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety.  
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).  
Remove contaminated clothing.

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If inhaled:

Keep patient calm, remove to fresh air.

If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

If in eyes:

Flush with copious amounts of water for at least 15 minutes.

Hold eyelids open to facilitate rinsing.

If irritation develops, seek medical attention.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water.

Do not induce vomiting due to aspiration hazard.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Immediate medical attention is required.

Most important symptoms and effects, both acute and delayed

Symptoms:

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

Dry extinguishing media

Carbon dioxide

Foam

Water spray

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Aerosol container contains flammable gas under pressure.

Vapors and/or decomposition products are irritants and/or toxic.

If product is heated above decomposition temperatures, acrid smoke

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and fumes will be released.

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Vapors are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition. Flash fire may occur.

Remove product from areas of fire or otherwise cool sealed containers with water in order to avoid pressure build-up due to heat.

Do not flood burning material with water due to potential spreading of fire.

Contain contaminated water/firefighting water.

Run-off water from fire may cause pollution.

Notify proper authorities.

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### 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Extinguish sources of ignition nearby and downwind.

Wear suitable personal protective clothing and equipment.

Ensure adequate ventilation.

Avoid prolonged inhalation.

Avoid contact with skin and eyes.

Use antistatic tools.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Methods and material for containment and cleaning up

Dike spillage.

Place into appropriately labeled waste containers.

Spills should be contained, solidified, and placed in suitable containers for disposal.

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### 7. Handling and Storage

Precautions for safe handling

Ensure adequate ventilation.

Do not puncture, drop or slide containers.

Use static lines when mixing and transferring material.

Handle and open container with care.

Avoid contact with the skin, eyes and clothing.

WARNING: Empty containers may still contain hazardous residue.

Do not apply to hot surfaces.

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Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces.

Protection against fire and explosion:

Use antistatic tools.

Exhaust fans should be explosion proof.

Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources.

Sealed containers should be protected against heat as this results in pressure build-up.

Risk of explosion if heated under confinement.

Avoid all sources of ignition: heat, sparks, or open flame.

Conditions for safe storage, including any incompatibilities

Segregate from incompatible substances.

Segregate from oxidizing agents.

Segregate from strong bases.

Segregate from strong acids.

Further information on storage conditions:

Keep container tightly closed.

Protect from direct sunlight.

Consult local fire marshal for storage requirements.

Storage stability:

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### 8. Exposure Controls and Personal Protection

Components with occupational exposure limits

acetone

ACGIH STEL 750 ppm; TWA 500 ppm

OSHA PEL 1000 ppm 2400 mg/m<sup>3</sup>

1-propanol

ACGIH TWA 100 ppm

OSHA PEL 200 ppm 500 mg/m<sup>3</sup>

isobutanol

ACGIH TWA 50 ppm

OSHA PEL 100 ppm 300 mg/m<sup>3</sup>

ethylbenzene

ACGIH STEL 125 ppm; TWA 100 ppm

OSHA PEL 100 ppm 435 mg/m<sup>3</sup>

1-methoxy-2-propanol

ACGIH STEL 150 ppm; TWA 100 ppm

titanium dioxide

ACGIH TWA 10 mg/m<sup>3</sup>

OSHA PEL 15 mg/m<sup>3</sup> T

T Total dust

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

General mechanical ventilation should comply with OSHA 1910.94.

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Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.  
Wear NIOSH-certified (or equivalent) organic vapor respirator.  
Particulate filters should be added during spray operations.  
Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination.  
Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Use appropriate chemically resistant gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:

Tightly fitting safety goggles (chemical goggles).  
Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen based on activity level and exposure.

General safety and hygiene measures:

Work place should be equipped with a shower and eye wash.  
Contact lenses should not be worn.  
Remove contaminated clothing.  
Contaminated equipment or clothing should be cleaned after each use or disposed of.  
Hands and/or face should be washed before breaks and at the end of the shift.

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### 9. Physical and Chemical Properties

Form:	aerosol
Odour:	ketone
Odour threshold:	No applicable information available.
Colour:	gray
pH value:	No applicable information available.
Melting temperature:	No applicable information available.
Boiling range:	1 - 329 °F
Sublimation temperature:	No applicable information available.
Flash point:	< 1 °F (< 17.2- °C) (calculated)
Flammability:	No applicable information available.
Lower explosion limit:	2.1 %(V)
Upper explosion limit:	18.6 %(V)
Autoignition:	No applicable information available.
Vapour pressure:	not available
Density:	8.86 Lb/USg CALC
Relative density:	1.06
Vapour density:	heavier than air
Partitioning coefficient	

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n-octanol/water (log Pow):	No applicable information available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Solids content:	approx. 38 %
Viscosity, kinematic:	No applicable information available.
Solubility in water:	No applicable information available.
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.

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### 10. Stability and Reactivity

#### Reactivity

Reactivity:  
No applicable information available.

#### Chemical stability

Chemical stability:  
The product is chemically stable.

#### Possibility of hazardous reactions

Hazardous reactions:  
No applicable information available.

#### Conditions to avoid

Conditions to avoid:  
Avoid all sources of ignition: heat, sparks or open flames.  
Avoid electrostatic discharge.

#### Incompatible materials

Substances to avoid:  
strong bases  
strong oxidizing agents  
strong acids

#### Hazardous decomposition products

Decomposition products:  
carbon monoxide  
carbon dioxide

Thermal decomposition:  
No applicable information available.

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### 11. Toxicological Information

Primary routes of exposure  
Routes of entry for solids and liquids include eye and skin



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contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity:  
No applicable information available.

#### Oral

Acute oral toxicity:

#### Inhalation

Acute inhalation toxicity:

#### Dermal

Acute dermal toxicity:

Assessment other acute effects

Assessment of STOT single:  
Possible narcotic effects (drowsiness or dizziness).

#### Irritation / corrosion

Assessment of irritating effects:  
May cause severe damage to the eyes.  
Skin contact causes irritation.

Information on: bisphenol-A- epoxy resin  
Assessment of irritating effects:  
May cause severe damage to the eyes.  
Skin contact causes irritation.

Information on: bisphenol-A- epoxy resin  
Assessment of irritating effects:  
Eye contact causes irritation.  
Skin contact causes irritation.

#### Sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

Information on: bisphenol-A- epoxy resin  
Assessment of sensitization:  
Sensitization after skin contact possible.

Aspiration hazard  
No applicable information available.

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### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity:  
No applicable information available.

#### Genetic toxicity

Assessment of mutagenicity:  
No applicable information available.

#### Carcinogenicity

Assessment of carcinogenicity:  
No applicable information available.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
No applicable information available.

#### Development

Assessment of teratogenicity:  
No applicable information available.

#### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

No applicable information available.

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## 13. Disposal Considerations

### Waste disposal of substance

Dispose of in accordance with national, state and local regulations.

The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. It is the waste generators responsibility to determine if a particular waste is hazardous under RCRA.

Do not discharge into drains/surface waters/groundwater.

Incinerate or dispose of in a RCRA licensed facility.

Do not incinerate closed containers.

### Container disposal

WARNING: Empty containers may still contain hazardous residue. Facility must be capable of handling empty aerosol cans.

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Do not cut, puncture, crush, or incinerate empty aerosol containers.  
Dispose of in accordance with national, state and local regulations.

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### 14. Transport Information

Reference Bill of Lading

Land transport  
USDOT

Sea transport  
IMDG

Air transport  
IATA/ICAO

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### 15. Regulatory Information

Federal Regulations

Registration status

TSCA, US released / listed

EPCRA 313

CAS number	Weight %	Chemical name
100-41-4	0.1	ethylbenzene

State regulations

State RTK

CAS Number	Chemical name
115-10-6	dimethyl ether
71-23-8	1-propanol
67-64-1	acetone
TSRN 161090809-6086	Epoxy Resin
78-83-1	isobutanol
13463-67-7	titanium dioxide
107-98-2	1-methoxy-2-propanol
TSRN 161090809-5199	bisphenol-A- epoxy resin
108-65-6	1-methoxy-2-propyl acetate
100-41-4	ethylbenzene

CA Prop. 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

HMIS III rating

Health: 2<sup>□</sup>      Flammability: 4      Physical hazard: 0

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### 16. Other information

SDS prepared by: BASF NA Product Regulations

SDS prepared on 2015/01/19

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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