

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15
Version: 2.0

Page: 1/12
(30147800/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	2A
Reproductive toxicity	2 unborn child
Specific target organ toxicity – single exposure	3 Vapours may cause drowsiness and dizziness.
Specific target organ toxicity – repeated exposure	2 Central nervous system
Flammable aerosols	1
Flammable liquids	2
Hazardous to the aquatic environment - acute	3
Hazardous to the aquatic environment - chronic	3

Label elements

Pictogram:

Flame
Exclamation mark
Health hazard

Signal Word:

Danger

Hazard Statement:

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15
Version: 2.0

Page: 2/12
(30147800/CDU_GEN_US/EN)

H373 May cause damage to organs through prolonged or repeated exposure.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging the unborn child.
H229 Pressurized container: May burst if heated.

Precautionary Statements (Prevention):

P201 Obtain special instructions before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P260 Do not breathe dust or mist.
P202 Do not handle until all safety precautions have been read and understood.
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.
P271 Use only outdoors or in a well-ventilated area.
P281 Use personal protective equipment as required.
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):

P314 Get medical advice/attention if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P321 Specific treatment (see on this label).
P362 + P364 Take off contaminated clothing and wash 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

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15
Version: 2.0

Page: 3/12
(30147800/CDU_GEN_US/EN)

P312 several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements (Storage):

P405 Store locked up.
P403 + P235 Store in a well-ventilated place. Keep cool.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No applicable information available.

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

INGESTION MAY CAUSE GASTRIC DISTURBANCES

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	25.0 - 50.0 %	acetone
108-88-3	7.0 - 10.0 %	toluene
108-10-1	1.0 - 3.0 %	methyl isobutyl ketone
123-86-4	10.0 - 15.0 %	n-butylacetate
78-93-3	1.0 - 3.0 %	butanone, ethyl methyl ketone
78-84-4	1.0 - 3.0 %	isopentane

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

CAS Number	Weight %	Chemical name
67-64-1	25.0 - 50.0 %	acetone
74-98-6	15.0 - 20.0 %	propane
123-86-4	10.0 - 15.0 %	n-butylacetate
108-88-3	7.0 - 10.0 %	toluene
106-97-8	5.0 - 7.0 %	butane

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Page: 4/12

Version: 2.0

(30147800/CDU_GEN_US/EN)

108-65-6	3.0 -	5.0 %	1-methoxy-2-propyl acetate
763-69-9	3.0 -	5.0 %	ethyl 3-ethoxypropionate
78-93-3	1.0 -	3.0 %	butanone, ethyl methyl ketone
75-28-5	1.0 -	3.0 %	isobutane
78-84-4	1.0 -	3.0 %	isopentane
108-10-1	1.0 -	3.0 %	methyl isobutyl ketone

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.

If inhaled:

Keep patient calm, remove to fresh air.
If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Immediately wash thoroughly with soap and water. Seek medical attention.

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.

5. Fire-Fighting Measures

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Version: 2.0

Page: 5/12

(30147800/CDU_GEN_US/EN)

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 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.

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.

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15
Version: 2.0

Page: 6/12
(30147800/CDU_GEN_US/EN)

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

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.
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:

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/m3

propane

ACGIH TWA 1000 ppm
OSHA PEL 1000 ppm 1800 mg/m3

isobutane

ACGIH TWA 1000 ppm T

isopentane

ACGIH TWA 600 ppm

butanone, ethyl methyl ketone

ACGIH STEL 300 ppm; TWA 200 ppm
OSHA PEL 200 ppm 590 mg/m3

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Page: 7/12

Version: 2.0

(30147800/CDU_GEN_US/EN)

butane

ACGIH TWA 1000 ppm

methyl isobutyl ketone

ACGIH STEL 75 ppm; TWA 50 ppm

OSHA PEL 100 ppm 410 mg/m³

toluene

ACGIH TWA 20 ppm

OSHA CLV 300 ppm; TWA 200 ppm; max. conc. 500 ppm

n-butylacetate

ACGIH STEL 200 ppm; TWA 150 ppm

OSHA PEL 150 ppm 710 mg/m³

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.

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.

9. Physical and Chemical Properties

Form: aerosol

Odour: of hydrocarbons

Odour threshold: No applicable information available.

Colour: clear

pH value: No applicable information available.

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Page: 8/12

Version: 2.0

(30147800/CDU_GEN_US/EN)

Melting temperature:	No applicable information available.
Boiling range:	44- - 338 °F / 42.1- - 170.0 °C
Sublimation temperature:	No applicable information available.
Flash point:	< 1 °F (< 17.2- °C) +/- 3 °F Setaflash Closed Cup (measured)
Flammability:	No applicable information available.
Lower explosion limit:	1.1 %(V)
Upper explosion limit:	12.8 %(V)
Autoignition:	No applicable information available.
Vapour pressure:	141.99 mmHg (20 °C)
Density:	6.82 Lb/USg CALC
Relative density:	0.82
Vapour density:	heavier than air
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Solids content:	approx. 26 % / 27.5007 %(V)
Viscosity, kinematic:	No applicable information available.
Solubility in water:	No applicable information available.
% volatiles:	approx. 74.2 % / 72.5 %(V)
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.

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

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Version: 2.0

Page: 9/12

(30147800/CDU_GEN_US/EN)

Decomposition products:

carbon monoxide

carbon dioxide

Thermal decomposition:

No applicable information available.

11. Toxicological Information

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin 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:

Eye contact causes irritation.

Skin contact causes irritation.

Sensitization

Assessment of sensitization:

No applicable information available.

Aspiration hazard

No applicable information available.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity:

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15
Version: 2.0

Page: 10/12
(30147800/CDU_GEN_US/EN)

Repeated exposure may affect certain organs.

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:
Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Symptoms of Exposure

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

12. Ecological Information

No applicable information available.

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

14. Transport Information

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Version: 2.0

Page: 11/12

(30147800/CDU_GEN_US/EN)

Reference Bill of Lading

Land transport
USDOT

Sea transport
IMDG

Air transport
IATA/ICAO

15. Regulatory Information

Federal Regulations

Registration status

TSCA, US released / listed

EPCRA 313

CAS number	Weight %	Chemical name
108-88-3	7.4	toluene
108-10-1	1.0	methyl isobutyl ketone

State regulations

State RTK

CAS Number	Chemical name
67-64-1	acetone
74-98-6	propane
123-86-4	n-butylacetate
108-88-3	toluene
106-97-8	butane
108-65-6	1-methoxy-2-propyl acetate
763-69-9	ethyl 3-ethoxypropionate
78-93-3	butanone, ethyl methyl ketone
75-28-5	isobutane
78-84-4	isopentane
108-10-1	methyl isobutyl ketone

CA Prop. 65

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

HMIS III rating

Health: 2[□] Flammability: 4 Physical hazard: 0

16. Other information

SDS prepared by: BASF NA Product Regulations

SDS prepared on 2014/12/15

Safety data sheet

AM100 AEROMAX CUT-IN CLR

Revision date : 2014/12/15

Page: 12/12

Version: 2.0

(30147800/CDU_GEN_US/EN)

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