

# Safety data sheet

## AM2100 Aeromax 2K Clear

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Version: 3.0

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(30246268/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 |   |
| Skin sensitization                                 | 1  |   |
| Germ cell mutagenicity                             | 1  |   |
| Carcinogenicity                                    | 1  |   |
| Reproductive toxicity                              | 1  | unborn child                                |
| Reproductive toxicity                              | 2  | fertility                                   |
| Specific target organ toxicity – single exposure   | 3  | Vapours may cause drowsiness and dizziness. |
| Specific target organ toxicity – repeated exposure | 2  | Auditory organ                              |
| Flammable aerosols                                 | 1  |   |
| Flammable liquids                                  | 2  |   |

Label elements

Pictogram:

Flame  
Exclamation mark  
Health hazard

Signal Word:

Danger

Hazard Statement:

H319 Causes serious eye irritation.  
H315 Causes skin irritation.

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|      |  |
|------|--|
| H317 | May cause an allergic skin reaction.                               |
| H222 | Extremely flammable aerosol.                                       |
| H225 | Highly flammable liquid and vapour.                                |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H336 | May cause drowsiness or dizziness.                                 |
| H350 | May cause cancer.  |
| H340 | May cause genetic defects.   |
| H360 | May damage the unborn child. Suspected of damaging fertility.      |
| H229 | Pressurized container: May burst if heated.                        |

### Precautionary Statements (Prevention):

|      |  |
|------|--|
| P201 | Obtain special instructions before use.  |
| P261 | Avoid breathing<br>dust/fume/gas/mist/vapours/spray.   |
| P272 | Contaminated work clothing should not be allowed out of the workplace.                         |
| 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<br>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 |

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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.

P312 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

CONTAINS MATERIAL THAT MAY CAUSE ALLERGIC SKIN REACTION

SUSPECT CANCER HAZARD

MAY CAUSE PULMONARY EDEMA

SENSITIZER

INGESTION MAY CAUSE GASTRIC DISTURBANCES

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### 3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard;

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29 CFR Part 1910.1200

| CAS Number | Weight %      | Chemical name                        |
|------------|---------------|--------------------------------------|
| 67-64-1    | 25.0 - 50.0 % | acetone                              |
| 1330-20-7  | 1.0 - 3.0 %   | xylene                               |
| 28182-81-2 | 5.0 - 7.0 %   | aliphatic polyisocyanate             |
| 64742-95-6 | 0.3 - 1.0 %   | solvent naphtha, light aromatic      |
| 85-68-7    | 0.1 - 0.2 %   | butyl benzyl phthalate (plasticizer) |
| 108-88-3   | 0.2 - 0.3 %   | toluene                              |

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             |
| 67-64-1    | 25.0 - 50.0 % | acetone                    |
| 110-43-0   | 5.0 - 7.0 %   | methyl amyl ketone         |
| 28182-81-2 | 5.0 - 7.0 %   | aliphatic polyisocyanate   |
| 123-86-4   | 3.0 - 5.0 %   | n-butylacetate             |
| 108-65-6   | 1.0 - 3.0 %   | 1-methoxy-2-propyl acetate |
| 1330-20-7  | 1.0 - 3.0 %   | xylene                     |
| 763-69-9   | 1.0 - 3.0 %   | ethyl 3-ethoxypropionate   |
| 108-10-1   | 0.3 - 1.0 %   | methyl isobutyl ketone     |
| 100-41-4   | 0.3 - 1.0 %   | ethylbenzene               |

#### 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.

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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 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.

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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.  
Avoid water contamination in closed containers or confined areas because carbon dioxide gas is generated.

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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

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### 7. Handling and Storage

Precautions for safe handling  
Ensure adequate ventilation.  
Do not puncture, drop or slide containers.  
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.  
If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.  
Do not reseal container if contamination of the product is suspected.  
Avoid water contamination in closed containers or confined areas, because carbon dioxide gas is generated.

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.

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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 metals.  
Segregate from oxidizing agents.  
Segregate from strong bases.  
Keep away from water.  
Segregate from strong acids.

Further information on storage conditions:  
Keep container tightly closed.  
Protect from direct sunlight.  
Store protected against freezing.  
Consult local fire marshal for storage requirements.  
Protect against moisture.  
Slow non-hazardous polymerization possible when at or exceeding maximum temperatures.

Storage stability:  
Protect against moisture.  
If moisture enters isocyanate containers, CO<sub>2</sub> forms and pressure builds up.  
Carbon dioxide gas can cause containers to expand and possibly rupture explosively.

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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>

ethylbenzene

ACGIH STEL 125 ppm; TWA 100 ppm

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

methyl isobutyl ketone

ACGIH STEL 75 ppm; TWA 50 ppm

OSHA PEL 100 ppm 410 mg/m<sup>3</sup>

methyl amyl ketone

ACGIH TWA 50 ppm

OSHA PEL 100 ppm 465 mg/m<sup>3</sup>

n-butylacetate

ACGIH STEL 200 ppm; TWA 150 ppm

OSHA PEL 150 ppm 710 mg/m<sup>3</sup>

xylene

ACGIH STEL 150 ppm; TWA 100 ppm

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

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

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### Respiratory protection:

For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Respiratory protection equipment must be approved for use with isocyanates.

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:

Consider the type of application and environmental concentrations to maintain the actual exposures below the established exposure limits.

Employee education and training in the safe use and handling of isocyanates is required under the OSHA Communication Standard.

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:                   | solvent-like  |
| Odour threshold:         | No applicable information available.                          |
| Colour:                  | clear   |
| pH value:                | No applicable information available.                          |
| Melting temperature:     | No applicable information available.                          |
| Boiling range:           | 13- - 338 °F / 25.0- - 170.0 °C                               |
| Sublimation temperature: | No applicable information available.                          |
| Flash point:             | 42- °F (41.1- °C)<br>+/- 3 °F Setaflash Closed Cup (measured) |



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|  |                                      |
|--|--------------------------------------|
| Flammability:  | No applicable information available. |
| Lower explosion limit:                                 | 1.1 %(V)                             |
| Upper explosion limit:                                 | 18.0 %(V)                            |
| Autoignition:  | No applicable information available. |
| Vapour pressure:                                       | n.d.a.                               |
| Density:   | 6.50 Lb/USg CALC                     |
| Relative density:                                      | 0.78                                 |
| Vapour density:  | heavier than air                     |
| Partitioning coefficient<br>n-octanol/water (log Pow): | No applicable information available. |
| Thermal decomposition:                                 | No applicable information available. |
| Viscosity, dynamic:                                    | No applicable information available. |
| Solids content:  | approx. 15 % / 10.1814 %(V)          |
| Viscosity, kinematic:                                  | No applicable information available. |
| Solubility in water:                                   | No applicable information available. |
| % volatiles:   | approx. 84.7 % / 89.8 %(V)           |
| 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:

Reacts with water.

On contact with water gaseous decomposition products are formed which cause build-up of pressure in tightly closed containers.

#### Conditions to avoid

##### Conditions to avoid:

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

Avoid direct contact with water.

Avoid electrostatic discharge.

#### Incompatible materials

##### Substances to avoid:

strong bases

water

alcohols

amines

strong oxidizing agents

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thiols  
transition metal salts  
strong acids

Hazardous decomposition products

Decomposition products:

carbon monoxide  
carbon dioxide  
nitrogen oxides  
hydrogen cyanide

Thermal decomposition:

Risk of polymerization above the indicated temperature in the presence of moisture and isocyanate reactive substances.

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### 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.

Primary routes of entry:

Solvents are absorbed through the skin.

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:

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Eye contact causes irritation.  
Skin contact causes irritation.

Information on: solvent naphtha, light aromatic  
Assessment of irritating effects:  
Skin contact causes irritation.

Information on: solvent naphtha, light aromatic  
Assessment of irritating effects:  
Eye contact causes irritation.  
Skin contact causes irritation.

Information on: solvent naphtha, light aromatic  
Assessment of irritating effects:  
Skin contact causes irritation.

### Sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

Aspiration hazard  
No applicable information available.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

#### Genetic toxicity

Assessment of mutagenicity:  
No applicable information available.

### Carcinogenicity

Assessment of carcinogenicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: butyl benzyl phthalate (plasticizer)  
Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### Reproductive toxicity

Assessment of reproduction toxicity:  
The results of animal studies suggest a fertility impairing effect.

### Development

Assessment of teratogenicity:

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The product has not been tested. The statement has been derived from the properties of the individual components.

### Symptoms of Exposure

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

### Medical conditions aggravated by overexposure

The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing.

Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

Medical supervision of all employees who handle or come into contact with isocyanates is recommended.

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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.

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

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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 |
|------------|----------|---------------|
| 1330-20-7  | 1.3      | xylene        |
| 100-41-4   | 0.4      | ethylbenzene  |

State regulations

State RTK

| CAS Number | Chemical name              |
|------------|----------------------------|
| 115-10-6   | dimethyl ether             |
| 67-64-1    | acetone                    |
| 110-43-0   | methyl amyl ketone         |
| 28182-81-2 | aliphatic polyisocyanate   |
| 123-86-4   | n-butylacetate             |
| 108-65-6   | 1-methoxy-2-propyl acetate |
| 1330-20-7  | xylene                     |
| 763-69-9   | ethyl 3-ethoxypropionate   |
| 108-10-1   | methyl isobutyl ketone     |
| 100-41-4   | ethylbenzene               |

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: 3

Flammability: 4

Physical hazard: 1

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### 16. Other information

SDS prepared by: BASF NA Product Regulations

SDS prepared on 20.01.2015

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and

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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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IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.