

Revision date : 2020/09/08 Page: 1/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

## 1. Identification

Product identifier used on the label

# AM960 SPOT BLENDER

### Recommended use of the chemical and restriction on use

Recommended use\*: Paints, Coatings and Related Materials; for industrial use only Unsuitable for use: Not intended for sale to or use by the general public.

## Details of the supplier of the safety data sheet

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

Telephone: +1 973 245-6000

# **Emergency telephone number**

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

## Other means of identification

Substance number: 156271

## 2. Hazards Identification

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

<sup>\*</sup> The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.



Revision date : 2020/09/08 Page: 2/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

# Classification of the product

Skin Corr./Irrit. 2 Skin corrosion/irritation

Eye Dam./Irrit. 2A Serious eye damage/eye irritation

Flam. Aerosol 1 Flammable aerosols

STOT RE 2 Specific target organ toxicity — repeated

exposure

Press. Gas Liquef. Gas Gases under pressure

STOT SE 3 (Vapours may cause Specific target organ toxicity — single exposure

drowsiness and dizziness.)

## Label elements





## Signal Word: Danger

## Hazard Statement:

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements (Prevention):



Revision date : 2020/09/08 Page: 3/18
Version: 4.0 (30221376/SDS\_GEN\_US/EN)

P251	Do not pierce or burn, even after use.	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	
P260	Do not breathe dust or mist.	
P211	Do not spray on an open flame or other ignition source.	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P271	Use only outdoors or in a well-ventilated area.	
P264	Wash contaminated body parts thoroughly after handling.	
P280	Wear protective gloves, protective clothing and eye protection or face protection.	
Precautionary Statements (Response):		
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove	

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 physician if you feel unwell.	
P314	Get medical advice/attention if you feel unwell.	
P337 + P313	If eye irritation persists: Get medical attention.	
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for	
	breathing.	
P332 + P313	If skin irritation occurs: Get medical attention.	
P362 + P364	Take off contaminated clothing and wash it before reuse.	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	

# Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
1 400 4 1 200	Store in a well-verificated place. Neep container tightly closed.

P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C/

122°F

P405 Store locked up.

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

# Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste

collection point.

## Hazards not otherwise classified

No applicable information available.



Revision date : 2020/09/08 Page: 4/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

# 3. Composition / Information on Ingredients

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

1-methoxy-2-propylacetate

CAS Number: 108-65-6

Content (W/W): >= 7.0 - < 10.0%

Synonym: 2-Methoxy-1-methylethyl acetate; 1-Methoxy-2-propyl acetate

cyclohexanone

CAS Number: 108-94-1

Content (W/W): >= 7.0 - < 10.0% Synonym: No data available.

n-Butyl acetate

CAS Number: 123-86-4

Content (W/W): >= 5.0 - < 7.0% Synonym: n-Butyl acetate

ethyl acetate

CAS Number: 141-78-6

Content (W/W): >= 5.0 - < 7.0% Synonym: Acetic acid, ethyl ester

pentyl acetate

CAS Number: 628-63-7

Content (W/W): >= 1.0 - < 3.0%

Synonym: Amyl acetate

Xylene

CAS Number: 1330-20-7 Content (W/W): >= 5.0 - < 7.0% Synonym: Xylene; Dimethylbenzene



Revision date : 2020/09/08 Page: 5/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

## 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:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

# Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Information on: cyclohexanone

Symptoms: Overexposure may cause:, unconsciousness, headache



Revision date : 2020/09/08 Page: 6/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

Information on: ethyl acetate

Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache,

vomiting, dizziness, diarrhea, abdominal cramps

Information on: pentyl acetate Symptoms: No data available.

Information on: Xylene

Symptoms: Overexposure may cause:, coma, weakness, lethargy, confusion, dyspnea, nausea,

headache, dizziness

## 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

## **Extinguishing media**

Suitable extinguishing media: carbon dioxide, foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons: water jet

## Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released. Aerosol container contains flammable gas under pressure.

## Advice for fire-fighters

Protective equipment for fire-fighting:

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



Revision date : 2020/09/08 Page: 7/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

#### Further information:

Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

## 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

### **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. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

# 7. Handling and Storage

## Precautions for safe handling

Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces. Do not apply to hot surfaces.



Revision date: 2020/09/08 Page: 8/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. 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.

## Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Do not expose to temperatures exceeding 50°C/122°F. Segregate from strong acids.

Further information on storage conditions: Keep container tightly closed. Protect from direct sunlight.

Storage stability:

Consult local fire marshal for storage requirements.

# 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

cyclohexanone OSHA PEL PEL 50 ppm 200 mg/m3; TWA value 25 ppm 100 mg/m3; SKIN FINAL; The substance can be absorbed through the skin. **ACGIH TLV** TWA value 20 ppm; STEL value 50 ppm; Skin Designation: Danger of cutaneous absorption Skin Designation; Danger of cutaneous absorption n-Butyl acetate OSHA PEL PEL 150 ppm 710 mg/m3; STEL value 200 ppm 950 mg/m3; TWA value 150 ppm 710

mg/m3;

**ACGIH TLV** STEL value 150 ppm; TWA value 50 ppm;

ethyl acetate OSHA PEL PEL 400 ppm 1,400 mg/m3; TWA value 400

ppm 1,400 mg/m3;

TWA value 400 ppm; ACGIH TLV



Revision date : 2020/09/08 Page: 9/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

pentyl acetate OSHA PEL PEL 100 ppm 525 mg/m3; TWA value 100

ppm 525 mg/m3;

ACGIH TLV TWA value 50 ppm; STEL value 100 ppm;

Xylene OSHA PEL PEL 100 ppm 435 mg/m3; TWA value 100

ppm 435 mg/m3; STEL value 150 ppm 655

mg/m3;

ACGIH TLV TWA value 100 ppm; STEL value 150 ppm;

### Advice on system design:

General mechanical ventilation should comply with OSHA 1910.94. Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

## Respiratory protection:

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

Observe OSHA regulations for respirator use (29 CFR 1910.134).

## Hand protection:

Use appropriate chemically impervious 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.

#### Eve protection:

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

## **Body protection:**

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

## General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.



Revision date : 2020/09/08 Page: 10/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

# 9. Physical and Chemical Properties

Form: aerosol Odour: characteristic

Odour threshold: No applicable information available.

Colour: colourless

pH value: No applicable information available. Melting point: No applicable information available. Freezing point: No applicable information available.

Boiling point: -24.90 °C

-12.82 °F

Sublimation point: No applicable information available.

Flash point: -42.00 °C -43.60 °F

Flammability: No applicable information available.

Lower explosion limit: 3.00 %(V) Upper explosion limit: 18.60 %(V)

Autoignition: No applicable information available.

Vapour pressure: 2.60 mmHg

(20 °C)

Relative density: 0.7659

(20°C)

Vapour density: No applicable information available. Partitioning coefficient n- No applicable information available.

octanol/water (log Pow):

Thermal decomposition: No applicable information available. Viscosity, dynamic: No applicable information available. Viscosity, kinematic: No applicable information available.

Solubility in water: miscible

Solubility (quantitative):
Solubility (qualitative):
Molar mass:
No applicable information available.
No applicable information available.
No applicable information available.
No applicable information available.



Revision date : 2020/09/08 Page: 11/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

# 10. Stability and Reactivity

### Reactivity

No applicable information available.

# **Chemical stability**

The product is chemically stable.

## Possibility of hazardous reactions

No applicable information available.

## Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

## **Hazardous decomposition products**

Decomposition products: carbon dioxide, carbon monoxide

Thermal decomposition:

No applicable information available.

## 11. Toxicological information

## Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

## Primary routes of entry

Solvents are absorbed through the skin.

## **Acute Toxicity/Effects**



Revision date : 2020/09/08 Page: 12/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

## Acute toxicity

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

Information on: cyclohexanone

Assessment of acute toxicity:Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact.

Information on: pentyl acetate

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an acute hazard.

Information on: Xylene

Assessment of acute toxicity:Of low toxicity after single ingestion. Of low toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. The European Union (EU) has classified this substance as 'harmful' after inhalation. The European Union (EU) has classified this substance as 'harmful' after dermal exposure. High concentrations in the air may cause narcosis.

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### Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

### <u>Irritation / corrosion</u>

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: cyclohexanone

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

Information on: n-Butyl acetate

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

Not irritating to the skin. May cause slight irritation to the eyes.

Information on: ethyl acetate



Revision date : 2020/09/08 Page: 13/18
Version: 4.0 (30221376/SDS\_GEN\_US/EN)

Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation. EUclassification Repeated or prolonged skin contact can cause drying and cracking of the skin.

Information on: Xylene

Assessment of irritating effects: Skin contact causes irritation. Eye contact causes irritation.

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### Sensitization

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

Information on: cyclohexanone Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. Human data do not fully exclude a skin

sensitizing potential.

**Aspiration Hazard** 

No applicable information available.

# **Chronic Toxicity/Effects**

### Repeated dose toxicity

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

Information on: 1-methoxy-2-propylacetate

Assessment of repeated dose toxicity: Repeated dermal uptake of the substance did not cause substance-related effects. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The substance may cause damage to the olfactory epithelium after repeated inhalation. Repeated oral uptake of the substance did not cause substance-related effects.

Information on: n-Butyl acetate

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Information on: ethyl acetate

Assessment of repeated dose toxicity: The substance may cause damage to the olfactory epithelium after repeated inhalation. Based on available Data, the classification criteria are not met.



Revision date : 2020/09/08 Page: 14/18
Version: 4.0 (30221376/SDS\_GEN\_US/EN)

Information on: Xylene

Assessment of repeated dose toxicity: Overexposure may cause liver and kidney toxicity. Repeated exposure may affect certain organs. Damages the central nerve system. The substance can cause changes in the following organs after repeated exposure to large quantities: Liver Kidney

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: cyclohexanone

Assessment of carcinogenicity: In long-term animal studies in which the substance was given in the drinking water in high doses, a carcinogenic effect was observed. Due to the rat-specific mode of action, no carcinogenic effects are expected in man. Hence, the findings are of low relevance for humans. IARC Group 3 (not classifiable as to human carcinogenicity).

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### Reproductive toxicity

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

Information on: ethyl acetate

Assessment of reproduction toxicity: Repeated inhalative uptake of the substance did not cause damage to the reproductive organs. In high doses a potential to impair fertility cannot be fully excluded. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

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## **Teratogenicity**

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

Information on: cyclohexanone



Revision date : 2020/09/08 Page: 15/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.

Information on: ethyl acetate

Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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# 12. Ecological Information

No applicable information available.

## 13. Disposal considerations

### Waste disposal of substance:

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

Incinerate or dispose of in a RCRA-licensed facility. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

## 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

Land transport

USDOT

Hazard class: 2.1



Revision date : 2020/09/08 Page: 16/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

ID number: UN 1950 Hazard label: 2.1

Proper shipping name: AEROSOLS

Sea transport

**IMDG** 

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1
Marine pollutant: NO

Proper shipping name: AEROSOLS

Air transport IATA/ICAO

Hazard class: 2.1 ID number: UN 1950

Hazard label: 2.1

Proper shipping name: AEROSOLS, FLAMMABLE

# 15. Regulatory Information

## **Federal Regulations**

Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

**EPCRA 313:** 

CAS Number Chemical name

1330-20-7 Xylene

State regulations



Revision date: 2020/09/08 Page: 17/18
Version: 4.0 (30221376/SDS\_GEN\_US/EN)

State RTK	CAS Number	Chemical name
NJ	108-94-1	cyclohexanone
	115-10-6	dimethyl ether
	123-86-4	n-Butyl acetate
	141-78-6	ethyl acetate
	628-63-7	pentyl acetate
	1330-20-7	Xylene
PA	108-94-1	cyclohexanone
	115-10-6	dimethyl ether
	123-86-4	n-Butyl acetate
	141-78-6	ethyl acetate
	628-63-7	pentyl acetate
	1330-20-7	Xylene

## NFPA Hazard codes:

Health: 2 Fire: 4 Reactivity: 3 Special:

**HMIS III rating** 

Health: 2 Flammability: 4 Physical hazard: 3

## 16. Other Information

# SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2020/09/08

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.



Revision date : 2020/09/08 Page: 18/18 Version: 4.0 (30221376/SDS\_GEN\_US/EN)

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.

**END OF DATA SHEET**