

## MasterProtect 170CR PART B

Version	Revision Date:	SDS Number:	Date of last issue: 11/17/2020
1.1	12/10/2020	000000268873	Date of first issue: 11/17/2020

## SECTION 1. IDENTIFICATION

Product name : MasterProtect 170CR PART B  
Product code : 000000000057698703 000000000057698703

**Manufacturer or supplier's details**

Company name of supplier : Master Builders-Admixtures US,LLC  
Address : 23700 CHAGRIN BLVD  
Beachwood OH 44122  
Emergency telephone : ChemTel: +1-813-248-0585 USA: +1-800-255-3924 Contract  
Number MIS9240420

**Recommended use of the chemical and restrictions on use**



Recommended use : Product for construction chemicals  
Restrictions on use : Reserved for industrial and professional use.

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation) : Category 4  
Acute toxicity (Dermal) : Category 4  
Skin corrosion/irritation : Category 1A  
Serious eye damage/eye irritation : Category 1  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Short-term (acute) aquatic hazard : Category 2

**GHS label elements**

Hazard pictograms :  

Signal Word : Danger

Hazard Statements : H312 Harmful in contact with skin.  
H332 Harmful if inhaled.  
H302 Harmful if swallowed.  
H335 May cause respiratory irritation.  
H314 Causes severe skin burns and eye damage.  
H401 Toxic to aquatic life.

Precautionary Statements : **Prevention:**

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P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P273 Avoid release to the environment.  
P260 Do not breathe dust or mist.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**

P310 Immediately call a POISON CENTER/ doctor/  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P303 + P361 + P352 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P301 + P330 IF SWALLOWED: rinse mouth.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal:**

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

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : No applicable information available.

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
cyclohex-1,2-ylene diamine	694-83-7	>= 10 - < 50
Benzyl alcohol	100-51-6	>= 10 - < 50
Salicylic acid	69-72-7	>= 1 - < 5

**SECTION 4. 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).  
Immediately remove contaminated clothing.  
Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attend-

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- ance.  
Do not leave the victim unattended.
- If inhaled : Keep patient calm, remove to fresh air, seek medical attention.  
Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Take victim immediately to hospital.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.  
Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed, in contact with skin or if inhaled.  
Causes serious eye damage.  
May cause respiratory irritation.  
Causes severe burns.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Water spray  
Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.  
Protect from direct sunlight.  
Store protected against freezing.

Materials to avoid : No applicable information available.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Occupational exposure limits of decomposition products**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
carbon dioxide	124-38-9	TWA value	5,000 ppm	ACGIHTLV
		STEL value	30,000 ppm	ACGIHTLV
		REL value	5,000 ppm 9,000 mg/m <sup>3</sup>	NIOSH
		STEL value	30,000 ppm 54,000 mg/m <sup>3</sup>	NIOSH
		PEL	5,000 ppm 9,000 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		TWA value	10,000 ppm 18,000 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	30,000 ppm 54,000 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	NIOSH REL
		ST	30,000 ppm 54,000 mg/m <sup>3</sup>	NIOSH REL
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10,000 ppm 18,000 mg/m <sup>3</sup>	OSHA P0
		STEL	30,000 ppm 54,000 mg/m <sup>3</sup>	OSHA P0
carbon monoxide	630-08-0	TWA value	25 ppm	ACGIHTLV
		REL value	35 ppm 40 mg/m <sup>3</sup>	NIOSH
		Ceil_Time	200 ppm 229 mg/m <sup>3</sup>	NIOSH
		PEL	50 ppm 55 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		TWA value	35 ppm 40 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		CLV	200 ppm 229 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	25 ppm	ACGIH
		TWA	35 ppm 40 mg/m <sup>3</sup>	NIOSH REL

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		C	200 ppm 229 mg/m3	NIOSH REL
		TWA	50 ppm 55 mg/m3	OSHA Z-1
		TWA	35 ppm 40 mg/m3	OSHA P0
		C	200 ppm 229 mg/m3	OSHA P0

**Engineering measures** : No applicable information available.

**Personal protective equipment**

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Do not inhale gases/vapours/aerosols.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good building materials hygiene and safety practice.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous

Color : No data available

Odor : amine-like

Odor Threshold : No data available

pH : alkaline

Melting point : No applicable information available.

Boiling range : 370 - 378 °F / 188 - 192 °C

Flash point : 223 °F / 106 °C

Method: Flash-Point by Pensky-Martens Closed Cup Tester., closed cup

Evaporation rate : No applicable information available.

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Flammability (solid, gas)	:	not highly flammable
Upper explosion limit / Upper flammability limit	:	No applicable information available.
Lower explosion limit / Lower flammability limit	:	No applicable information available.
Vapor pressure	:	No applicable information available.
Relative vapor density	:	No applicable information available.
Relative density	:	No applicable information available.
Density	:	1.09 g/cm3
Solubility(ies)		
Water solubility	:	partly soluble (68 °F / 20 °C)
Solubility in other solvents	:	No applicable information available.
Autoignition temperature	:	The product has not been tested. The statement has been derived from the properties of the individual components.
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No applicable information available.
Viscosity, kinematic	:	No applicable information available.
Explosive properties	:	Not explosive
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.
Sublimation point	:	No applicable information available.
Molecular weight	:	No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	See SDS section 7 - Handling and storage.
Incompatible materials	:	Oxidizing agents strong alkalis Acids

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Harmful if swallowed, in contact with skin or if inhaled.

**Skin corrosion/irritation**

Causes severe burns.

**Product:**

Remarks : Extremely corrosive and destructive to tissue.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Experience with human exposure****Product:**

General Information : Remarks: According to experience, the product is considered to be harmless to health if used in the correct manner.

**Further information****Product:**

Remarks : No data available



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SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****cyclohex-1,2-ylene diamine:**

Partition coefficient: n-octanol/water : log Pow: < -0.9 (68 °F / 20 °C)  
pH: 7  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: yes

**Salicylic acid:**

Partition coefficient: n-octanol/water : log Pow: approx. 2.25 (77 °F / 25 °C)  
Method: Partition coefficient (n-octanol/water), HPLC method.  
GLP: no

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life.

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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with national, state and local regulations.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

UN number : UN 2735

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Proper shipping name : POLYAMINES, LIQUID, CORROSIVE, N.O.S.  
(CYCLOHEX-1,2-YLENEDIAMINE)  
Class : 8  
Packing group : II  
Labels : 8

**IATA-DGR**

UN/ID No. : UN 2735  
Proper shipping name : POLYAMINES, LIQUID, CORROSIVE, N.O.S.  
(CYCLOHEX-1,2-YLENEDIAMINE)  
Class : 8  
Packing group : II  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 855  
Packing instruction (passenger aircraft) : 851

**IMDG-Code**

UN number : UN 2735  
Proper shipping name : POLYAMINES, LIQUID, CORROSIVE, N.O.S.  
(CYCLOHEX-1,2-YLENEDIAMINE)  
Class : 8  
Packing group : II  
Labels : 8  
EmS Code : F-A, S-B  
Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****49 CFR**

UN/ID/NA number : UN 2735  
Proper shipping name : POLYAMINES, LIQUID, CORROSIVE, N.O.S.  
(CYCLOHEX-1,2-YLENEDIAMINE)  
Class : 8  
Packing group : II  
Labels : CORROSIVE  
ERG Code : 153  
Marine pollutant : no

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION****US State Regulations****Pennsylvania Right To Know**

Benzyl alcohol  
listed

100-51-6

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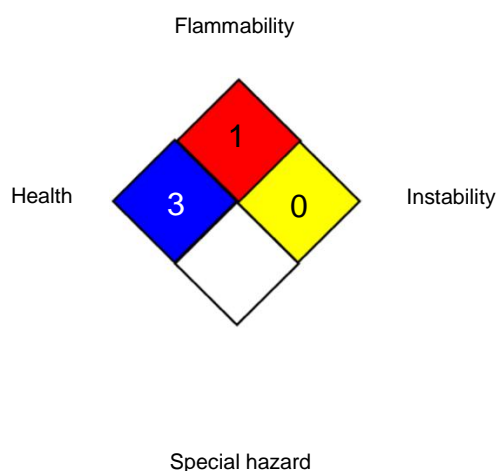
The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

## Further information

## NFPA 704:



## HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

## Full text of other abbreviations

29 CFR 1910.1000 (Table Z-1-A)	: OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z-1)	: OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	: American Conference of Governmental Industrial Hygienists - threshold limit values (US)
NIOSH	: NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA P0	: USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
29 CFR 1910.1000 (Table Z-1-A) / CLV	: Ceiling Limit Value:
29 CFR 1910.1000 (Table Z-1-A) / STEL value	: Short Term Exposure Limit (STEL):
29 CFR 1910.1000 (Table Z-1-A) / TWA value	: Time Weighted Average (TWA):
29 CFR 1910.1000 (Table Z-1) / PEL	: Permissible exposure limit
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
ACGIHTLV / STEL value	: Short Term Exposure Limit (STEL):

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ACGIHTLV / TWA value	:	Time Weighted Average (TWA):
NIOSH / Ceil_Time	:	Ceiling Limit Value and Time Period (if specified):
NIOSH / REL value	:	Recommended exposure limit (REL):
NIOSH / STEL value	:	Short Term Exposure Limit (STEL):
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
NIOSH REL / C	:	Ceiling value not be exceeded at any time.
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA P0 / C	:	Ceiling limit
OSHA Z-1 / TWA	:	8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 12/10/2020

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

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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.

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.

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