

## MasterEmaco ADH 327 PART B

Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000259979      Date of last issue: -  
Date of first issue: 11/17/2020

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**SECTION 1. IDENTIFICATION**

Product name : MasterEmaco ADH 327 PART B  
Product code : 000000000050543526 000000000050543526

**Manufacturer or supplier's details**

Company name of supplier : Master Builders-Construction Systems  
US, LLC  
Address : 23700 CHAGRIN BLVD  
Beachwood OH 44122  
Emergency telephone : ChemTel: +1-813-248-0585

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

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

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Skin corrosion/irritation : Category 1B  
Serious eye damage/eye irritation : Category 1  
Skin sensitization : Category 1  
Germ cell mutagenicity : Category 2  
Specific target organ toxicity - repeated exposure : Category 2 (Central nervous system)  
Short-term (acute) aquatic hazard : Category 1  
Long-term (chronic) aquatic hazard : Category 1

**GHS label elements**

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.

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## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

H317 May cause an allergic skin reaction.  
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

## Precautionary Statements

**Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P273 Avoid release to the environment.  
P260 Do not breathe dust or mist.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/ doctor/  
P303 + P361 + P352 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P391 Collect spillage.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**  
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 : adhesive

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Fatty acids, tall-oil, reaction products with tetraethylenepentamine	68953-36-6	>= 50 - < 75
[(Dimethylamino)methyl]phenol	25338-55-0	>= 10 - < 15
3,6,9-triazaundecamethylene-1,11-diamine	112-57-2	>= 5 - < 15

## MasterEmaco ADH 327 PART B

Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000259979      Date of last issue: -  
Date of first issue: 11/17/2020

2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	$\geq 1 - < 3$
phenol	108-95-2	$\geq 1 - < 3$
4-nonylphenol, branched	84852-15-3	$\geq 0 - < 0.1$

## 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 attendance. Do not leave the victim unattended.
- If inhaled** : Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.
- If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- 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.  
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** : Do NOT induce vomiting. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
- Keep respiratory tract clear.

## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

---

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 : May cause an allergic skin reaction.  
 Causes serious eye damage.  
 Causes severe burns.

Notes to physician : Treat symptomatically.

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**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.  
 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.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

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.

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**SECTION 7. HANDLING AND STORAGE**

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

## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

- Advice on safe handling : 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.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- 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 : Observe VCI storage rules.
- Further information on storage stability : No data available

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
phenol	108-95-2	TWA value	5 ppm	ACGIHTLV
		REL value	5 ppm 19 mg/m3	NIOSH
		Ceil_Time	15.6 ppm 60 mg/m3	NIOSH
		PEL	5 ppm 19 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	5 ppm 19 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	5 ppm	ACGIH
		TWA	5 ppm 19 mg/m3	NIOSH REL
		C	15.6 ppm	NIOSH REL

## MasterEmaco ADH 327 PART B

Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000259979      Date of last issue: -  
 Date of first issue: 11/17/2020

			60 mg/m3	
		TWA	5 ppm 19 mg/m3	OSHA Z-1
		TWA	5 ppm 19 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 : liquid

Color : black

Odor : ammonia-like

Odor Threshold : No data available

pH : Not applicable

Melting point : No applicable information available.

Boiling point : 181 °F / 83 °C

## MasterEmaco ADH 327 PART B

Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000259979      Date of last issue: -  
Date of first issue: 11/17/2020

---

Flash point	:	464 °F / 240 °C
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	not highly flammable
Vapor pressure	:	No applicable information available.
Relative density	:	No applicable information available.
Density	:	approx. 0.99 g/cm <sup>3</sup> (approx. 68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	No applicable information available.
Autoignition temperature	:	No data available
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 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
Metal corrosion rate	:	Corrosive effects to metal are not anticipated.

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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

## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

---

## Acids

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.

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

Not classified based on available information.

**Product:**

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

**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**

May cause an allergic skin reaction.

**Respiratory sensitization**

Not classified based on available information.

**Product:**

Remarks : Causes sensitization.

**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**

Not classified based on available information.



## MasterEmaco ADH 327 PART B

Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000259979      Date of last issue: -  
Date of first issue: 11/17/2020

---

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Components:****[(Dimethylamino)methyl]phenol:**

Not applicable

**3,6,9-triazaundecamethylene-1,11-diamine:**

Not applicable

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

Remarks : Health injuries are not known or expected under normal use.  
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Remarks : No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Fatty acids, tall-oil, reaction products with tetraethylenepentamine:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

**4-nonylphenol, branched:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****[(Dimethylamino)methyl]phenol:**

## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

---

Partition coefficient: n-octanol/water : log Pow: 1.27  
Method: other (calculated)

**3,6,9-triazaundecamethylene-1,11-diamine:**

Partition coefficient: n-octanol/water : log Pow: -3.16

**phenol:**

Partition coefficient: n-octanol/water : log Pow: 1.47 (86 °F / 30 °C)  
pH: 3 - 8  
Method: Partition coefficient (n-octanol/water), HPLC method.  
Remarks: Information taken from reference works and the literature.

**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.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

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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  
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
(3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL)

Class : 8  
Packing group : III  
Labels : 8

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## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

---

**IATA-DGR**

UN/ID No. : UN 2735  
 Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
 (3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, 2,4,6-  
 TRIS(DIMETHYLAMINOMETHYL)PHENOL)  
 Class : 8  
 Packing group : III  
 Labels : Corrosive  
 Packing instruction (cargo : 856  
 aircraft)  
 Packing instruction (passen- : 852  
 ger aircraft)

**IMDG-Code**

UN number : UN 2735  
 Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
 (3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, 2,4,6-  
 TRIS(DIMETHYLAMINOMETHYL)PHENOL)  
 Class : 8  
 Packing group : III  
 Labels : 8  
 EmS Code : F-A, S-B  
 Marine pollutant : yes

**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 : AMINES, LIQUID, CORROSIVE, N.O.S.  
 (3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, 2,4,6-  
 TRIS(DIMETHYLAMINOMETHYL)PHENOL)  
 Class : 8  
 Packing group : III  
 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**

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

phenol	108-95-2
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**California Prop. 65**

**MasterEmaco ADH 327 PART B**

Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000259979      Date of last issue: -  
 Date of first issue: 11/17/2020

WARNING: This product can expose you to chemicals including Carbon black, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

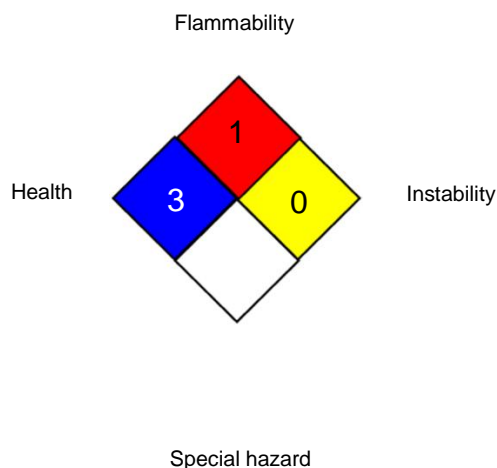
**The ingredients of this product are reported in the following inventories:**

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

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>		
<b>FLAMMABILITY</b>		
<b>PHYSICAL HAZARD</b>		

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) / TWA value : Time Weighted Average (TWA):
- 29 CFR 1910.1000 (Table Z-1) / PEL : Permissible exposure limit
- ACGIH / TWA : 8-hour, time-weighted average
- ACGIHTLV / TWA value : Time Weighted Average (TWA):
- NIOSH / Ceil\_Time : Ceiling Limit Value and Time Period (if specified):

## MasterEmaco ADH 327 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

NIOSH / REL value	:	Recommended exposure limit (REL):
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / C	:	Ceiling value not be exceeded at any time.
OSHA P0 / TWA	:	8-hour time weighted average
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 : 11/17/2020

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 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

**MasterEmaco ADH 327 PART B**

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/17/2020	000000259979	Date of first issue: 11/17/2020

---

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