1 Identification

· 1.1 Product identifier
  · Trade name: AFCONA - 5280
  · Application of the substance / the mixture: Paint Additives

· 1.3 Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Haiman AFCONA Chemicals Co., Ltd
    29, Daging Road, Qing-Long Chemical Industrial Park,
    Haimen, Jiangsu Province, 226121, P.R.China
    Tel : +82-513-82658995

· Information department: Product safety department.

· 1.4 Emergency telephone number:
  For Hazardous Materials [or Dangerous Goods] Incident
  Spill, Leak, Fire, Exposure, or Accident
  Call CHEMTREC Day or Night
  Within USA and Canada: 1-800-424-9300 CCN796211 or
  +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

· 2.1 Classification of the substance or mixture
  · Classification according to Regulation (EC) No 1272/2008
    The product is not classified according to the CLP regulation.

· 2.2 Label elements
  · Labelling according to Regulation (EC) No 1272/2008 Void
  · Hazard pictograms: Void
  · Signal word: Void
  · Hazard statements: Void
  · Classification system:
    · NFPA ratings (scale 0 - 4)
      Health = 0
      Fire = 1
      Reactivity = 0
    · HMIS-ratings (scale 0 - 4)

· 2.3 Other hazards
  · Results of PBT and vPvB assessment
    · PBT: Not applicable.
    · vPvB: Not applicable.

3 Composition/information on ingredients

· 3.2 Chemical characterization: Mixtures
  · Description: Mixture of the substances listed below with nonhazardous additions.
4 First-aid measures

· 4.1 Description of first aid measures
  · General information: No special measures required.
  · After inhalation: Supply fresh air; consult doctor in case of complaints.
  · After skin contact: Generally the product does not irritate the skin.
  · After eye contact: Rinse opened eye for several minutes under running water.
  · After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed
  · No further relevant information available.

5 Fire-fighting measures

· 5.1 Extinguishing media
  · Suitable extinguishing agents: Use fire fighting measures that suit the environment.

· 5.2 Special hazards arising from the substance or mixture No further relevant information available.

· 5.3 Advice for firefighters
  · Protective equipment: No special measures required.

6 Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Not required.

· 6.2 Environmental precautions: No special measures required.

· 6.3 Methods and material for containment and cleaning up:
  · Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections
  · No dangerous substances are released.
  · See Section 7 for information on safe handling.
  · See Section 8 for information on personal protection equipment.
  · See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:
  · None of the ingredients is listed.

· PAC-2:
  · None of the ingredients is listed.

· PAC-3:
  · None of the ingredients is listed.

7 Handling and storage

· 7.1 Precautions for safe handling
  · No special measures required.
  · Keep receptacles tightly sealed.

· Information about protection against explosions and fires: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities
  · Storage:
    · Requirements to be met by storerooms and receptacles: No special requirements.

(Contd. on page 3)
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: None.
· 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters
· Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls
· Personal protective equipment:
  · General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
  · Breathing equipment:
    Not required.
  · Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  · Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  · Penetration time of glove material:
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
  · Eye protection:
    Goggles recommended during refilling.

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties
  · General Information
    · Appearance:
      Form: Fluid
      Color: According to product specification
      Odor: Characteristic
      Odor threshold: Not determined.
    · pH-value:
      Not determined.
  · Change in condition
    · Melting point/Melting range: Undetermined.
    · Boiling point/Boiling range: Undetermined.
  · Flash point: >100 °C (>212 °F)
  · Flammability (solid, gaseous): Not applicable.
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44.0 Ignition temperature:

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.
Upper: Not determined.

Vapor pressure: Not determined.

Density at 20 °C (68 °F): 1 g/cm³ (8.345 lbs/gal)
Relative density Not determined.
Vapor density Not determined.
Evaporation rate Not determined.

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.
Kinematic: Not determined.

Solvent content:

Organic solvents: 0.0 %
VOC content: 4.0 %
40.0 g/l / 0.33 lb/gl

Solids content: 96.0 %

9.2 Other information
No further relevant information available.

10 Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials:
No further relevant information available.

10.6 Hazardous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Primary irritant effect:

on the skin: Based on available data, the classification criteria are not met.

on the eyes: Based on available data, the classification criteria are not met.

Sensitization: Based on available data, the classification criteria are not met.
12 Ecological information

12.1 Toxicity
   - Aquatic toxicity: No further relevant information available.
   - 12.2 Persistence and degradability: No further relevant information available.
   - 12.3 Bioaccumulative potential: No further relevant information available.
   - 12.4 Mobility in soil: No further relevant information available.
   - Additional ecological information:
     - General notes: Not known to be hazardous to water.
   - 12.5 Results of PBT and vPvB assessment
     - PBT: Not applicable.
     - vPvB: Not applicable.
   - 12.6 Other adverse effects: No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods
   - Recommendation: Smaller quantities can be disposed of with household waste.
   - Uncleaned packagings:
     - Recommendation: Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number
   - DOT, ADR, ADN, IMDG, IATA: Void

14.2 UN proper shipping name
   - DOT, ADR, ADN, IMDG, IATA: Void

14.3 Transport hazard class(es)
   - DOT, ADR, ADN, IMDG, IATA: Void
   - Class: Void

14.4 Packing group
   - DOT, ADR, IMDG, IATA: Void

14.5 Environmental hazards:
   - Marine pollutant: No

14.6 Special precautions for user
   - Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   - Not applicable.
15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):**
      - None of the ingredients is listed.
    - **Section 313 (Specific toxic chemical listings):**
      - None of the ingredients is listed.
    - **TSCA (Toxic Substances Control Act):**
      - Polymer (Company Proprietary)
      - All ingredients are listed.
  - **Proposition 65**
    - **Chemicals known to cause cancer:**
      - None of the ingredients is listed.
    - **Chemicals known to cause reproductive toxicity for females:**
      - None of the ingredients is listed.
    - **Chemicals known to cause reproductive toxicity for males:**
      - None of the ingredients is listed.
    - **Chemicals known to cause developmental toxicity:**
      - None of the ingredients is listed.
  - **Cancerogenicity categories**
    - **EPA (Environmental Protection Agency)**
      - None of the ingredients is listed.
    - **TLV (Threshold Limit Value established by ACGIH)**
      - None of the ingredients is listed.
    - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
      - None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product safety department.
- **Contact:** Mr. Saw Eng Nee
- **Date of preparation / last revision 01/20/2017 / -**
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - EINECS: European Inventory of Existing Commercial Chemical Substances
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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit