Safety Data Sheet acc. to OSHA HCS

1 Identification

1.1 Product identifier

Trade name: AFCONA - 4550

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Haiman AFCONA Chemicals Co., Ltd
29, Daqing 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

Label elements

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)

Health = 0
Fire = 1
Reactivity = 0

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.
Trade name: AFCONA - 4550

- Dangerous components: Void

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.
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 break trough 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: 100 °C (212 °F)
  - Flash point: >100 °C (>212 °F)
  - Flammability (solid, gaseous): Not applicable.
Trade name: AFCONA - 4550

- 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 at 20 °C (68 °F):

  23 hPa (17 mm Hg)

- Density at 20 °C (68 °F):

  1.05 g/cm³ (8.762 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 %
  Water: 48.0 %
  VOC content: 2.0 %
  42.3 g/l / 0.35 lb/gl

- Solids content:

  50.0 %

- 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 eye: 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: Generally not hazardous for 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

- 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 MARPOL73/78 and the IBC Code
  - Not applicable.
35 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 ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**
  
  None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**
  
  All ingredients are listed.

- **Polymer (Company Proprietary)**
  
  7732-18-5 water, distilled, conductivity or of similar purity

- **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.

- **Cancerogenity 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)
  
  ICAO: International Civil Aviation Organisation
  
  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
Trade name: AFCONA - 4550

ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
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

(Contd. of page 6)