1 Identification

- 1.1 Product identifier
  - Trade name: AFCONA - 6225
  - 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, 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
    GHS08 Health hazard
    Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

    GHS05 Corrosion
    Eye Dam. 1 H318 Causes serious eye damage.

- 2.2 Label elements
  - Labelling according to Regulation (EC) No 1272/2008
    The product is classified and labeled according to the CLP regulation.
  - Hazard pictograms
    GHS05 GHS08

- Signal word Danger

- Hazard-determining components of labeling:
  Aliphatic polyether with acidic groups compds with polyalkylpolyamine

- Hazard statements
  H318 Causes serious eye damage.
  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

- Precautionary statements
  P284 [In case of inadequate ventilation] wear respiratory protection.
Trade name: AFCONA - 6225

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P280 Wear eye protection / face protection.
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.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
NFPA ratings (scale 0 - 4)

- Health = 2
- Fire = 1
- Reactivity = 0

HMIS-ratings (scale 0 - 4)

- Health = 2
- 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.

- Dangerous components:
  - Aliphatic polyether with acidic groups compds with polyalkylpolyamine 50-100%

4 First-aid measures

4.1 Description of first aid measures
- 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. Then consult a doctor.
- 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.
6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

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).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections
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
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.

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:
Keep away from foodstuffs, beverages and feed.
Trade name: AFCONA - 6225

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

· **Breathing equipment:**
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

  ![Protective gloves]

  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:**

  ![](Tightly sealed goggles)

**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.

    · **Ignition temperature:**

    · **Decomposition temperature:** Not determined.

    · **Auto igniting:** Product is not selfigniting.
### 4. Danger of explosion
- **Product does not present an explosion hazard.**

### 4.1 Explosion limits
- **Lower:** Not determined.
- **Upper:** Not determined.

### 4.2 Vapor pressure
- Not determined.

### 4.3 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.

### 4.4 Solubility in / Miscibility with Water
- Not miscible or difficult to mix.

### 4.5 Viscosity
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

### 4.6 Solvent content
- **Organic solvents:** 0.0 %
- **VOC content:** 4.0 %
- **Solids content:** 96.0 %

### 4.7 Other information
- No further relevant information available.

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## 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.

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## 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:**
    - Causes serious eye damage.
- **Sensitization:**
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### 11.2 Additional toxicological information
- **Carcinogenic categories**

### 11.3 IARC (International Agency for Research on Cancer)
- None of the ingredients is listed.
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: Must not reach bodies of water or drainage ditch undiluted or unneutralized.
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: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number
- DOT, ADR, IMDG, IATA: UN3082
14.2 UN proper shipping name
- DOT: Environmentally hazardous substances, liquid, n.o.s.
- ADR: 3082 Environmentally hazardous substances, liquid, n.o.s. (Aliphatic polyether with acidic groups compds with polyalkylpolyamine)
- IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyether with acidic groups compds with polyalkylpolyamine), MARINE POLLUTANT
- IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyether with acidic groups compds with polyalkylpolyamine)
14.3 Transport hazard class(es)
- DOT: Void
Trade name: AFCONA - 6225

44.0 ADR, IMDG, IATA

- Class: 9 Miscellaneous dangerous substances and articles
- Label: 9
- 14.4 Packing group
  - DOT: Void
  - ADR, IMDG, IATA: III
- 14.5 Environmental hazards:
  Product contains environmentally hazardous substances: Aliphatic polyether with acidic groups compds with polyalkylpolyamine
- Marine pollutant: Yes
- Special marking (ADR): Symbol (fish and tree)
- Special marking (IATA): Symbol (fish and tree)
- 14.6 Special precautions for user
  Warning: Miscellaneous dangerous substances and articles
- Danger code (Kemler): 90
- EMS Number: F-A,S-F
- Stowage Category: A
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  Not applicable.

Transport/Additional information:

- DOT
- Quantity limitations
  - On cargo aircraft only:
- ADR
  - Excepted quantities (EQ)
    - Code: E1
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 1000 ml
- IMDG
  - Limited quantities (LQ): 5L
  - Excepted quantities (EQ)
    - Code: E1
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":
  - UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (ALIPHATIC POLYETHER WITH ACIDIC GROUPS COMPDS WITH POLYALKYLPOLYAMINE), 9, III

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 ingredient is listed.
| Section 313 (Specific toxic chemical listings): | None of the ingredients is listed. |
| TSCA (Toxic Substances Control Act): | All ingredients are listed. Aliphatic polyether with acidic groups compds with polyalkylpolyamine |
| 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:** 02/13/2017 / -
- **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
  - 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
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Resp. Sens. 1: Respiratory sensitisation – Category 1