1: Identification

- 1.1 Product identifier
  - Trade name: AFCONA - 2754
  - 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

- 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

  GHS02 Flame

  Flam. Liq. 3 H226 Flammable liquid and vapor.

  GHS08 Health hazard

  Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- 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

  GHS02 GHS08

- Signal word Danger

- Hazard-determining components of labeling:
  - Distillates (petroleum), hydrotreated light

- Hazard statements
  - H226 Flammable liquid and vapor.
  - H304 May be fatal if swallowed and enters airways.

- Precautionary statements
  - P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  - P241 Use explosion-proof electrical/ventilating/lighting/equipment.
  - P280 Wear protective gloves / eye protection / face protection.

(Contd. on page 2)
Trade name: AFCONA - 2754

P240 Ground/bond container and receiving equipment.
P233 Keep container tightly closed.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P405 Store locked up.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:
· NFPA ratings (scale 0 - 4)

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

· HMIS-ratings (scale 0 - 4)

- Health = 0
- Fire = 2
- 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:

| 64742-47-8 | Distillates (petroleum), hydrotreated light | 50-100% |

4: First-aid measures

· 4.1 Description of first aid measures
· General information: Immediately remove any clothing soiled by the product.
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact: Immediately rinse with water.
· 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:
· CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· For safety reasons unsuitable extinguishing agents: Water with full jet
41.2.14
· 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
  Wear protective equipment. Keep unprotected persons away.
· 6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.
· 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  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.

7: Handling and storage

· 7.1 Precautions for safe handling Keep receptacles tightly sealed.
· Information about protection against explosions and fires:
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.
· 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.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
  · Breathing equipment: Not required.
  · 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
      - Odour threshold: Not determined.
    - **pH-value:** Not determined.

  - **Change in condition**
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: 175 °C (347 °F)

  - **Flash point:** 56 °C (133 °F)

  - **Flammability (solid, gaseous):** Not applicable.

  - **Ignition temperature:** 210 °C (410 °F)

  - **Decomposition temperature:** Not determined.

  - **Auto igniting:** Product is not selfigniting.

  - **Danger of explosion:** Not determined.

  - **Explosion limits:**
    - Lower: 0.5 Vol %
    - Upper: 6.5 Vol %

  - **Vapor pressure at 20 °C (68 °F):** 2 hPa (2 mm Hg)

  - **Density at 20 °C (68 °F):** 0.825 g/cm³ (6.885 lbs/gal)

  - **Relative density** Not determined.

  - **Vapour 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.
Trade name: AFCONA - 2754

10: Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability

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

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

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

11.1.2 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.

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

11.1.4 Additional toxicological information:

11.1.5 Carcinogenic categories

11.1.5.1 IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

11.1.5.2 NTP (National Toxicology Program)
None of the ingredients is listed.

11.1.5.3 OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12: Ecological information

12.1 Toxicity

12.1.1 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.

12.5 Additional ecological information:

12.5.1 General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5.2 Results of PBT and vPvB assessment
- PBT: Not applicable.
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
    UN1866
- 14.2 UN proper shipping name
  - DOT
    Resin solution
  - ADR
    1866 Resin solution
  - IMDG, IATA
    RESIN SOLUTION
- 14.3 Transport hazard class(es)
  - DOT
    - Class
      3 Flammable liquids
    - Label
      3
  - ADR, IMDG, IATA
    - Class
      3 Flammable liquids
    - Label
      3
- 14.4 Packing group
  - DOT, ADR, IMDG, IATA
    III
- 14.5 Environmental hazards:
  - Marine pollutant:
    No
- 14.6 Special precautions for user
  - Warning: Flammable liquids
  - Danger code (Kemler):
    30
  - EMS Number:
    F-E-S-E
  - 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 passenger aircraft/rail: 60 L
    On cargo aircraft only: 220 L
**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):**

  - **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.

- **Labelling according to Regulation (EC) No 1272/2008**

  - The product is classified and labeled according to the CLP regulation.

  - **Hazard pictograms**

    - GHS02
    - GHS08

  - **Signal word** Danger
Hazard-determining components of labeling:
Distillates (petroleum), hydrotreated light

Hazard statements
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.

Precautionary statements
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P280 Wear protective gloves / eye protection / face protection.
P240 Ground/bond container and receiving equipment.
P233 Keep container tightly closed.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P405 Store locked up.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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 10/28/2015 / -

Abbreviations and acronyms:
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
ENECs: 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
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1