# 1: Identification

- **1.1 Product identifier**
  - Trade name: AFCONA - 2727
  - 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
    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)
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 | Fire | Reactivity |
    |--------|------|------------|
    | 0      | 2    | 0          |
  
  - HMIS-ratings (scale 0 - 4)
    
    | HEALTH | FIRE | REACTIVITY |
    |--------|------|------------|
    | 0      | 2    | 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:
    
    | CAS number | Description |
    |------------|------------|
    | 64742-47-8 | Distillates (petroleum), hydrotreated light |
    | 25-50%     |            |

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

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Safety Data Sheet
acc. to OSHA HCS

Trade name: AFCONA - 2727

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.

(Contd. on page 4)
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:** 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:** > 100 °C (> 212 °F)

    - **Flash point:** 43 °C (109 °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:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

    - **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):** 0.87 g/cm³ (7.26 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.

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Trade name: AFCONA - 2727

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:
- 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.
- Additional toxicological information:
  - Carcinogenic categories:
    - IARC (International Agency for Research on Cancer): None of the ingredients is listed.
    - NTP (National Toxicology Program): None of the ingredients is listed.
    - OSHA-Ca (Occupational Safety & Health Administration): 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:
    - 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 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
    - Label Flammable liquids
    - 3
  - ADR, IMDG, IATA
    - Class 3
    - Label Flammable liquids
    - 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):**
    64742-47-8 Distillates (petroleum), hydrotreated light
  
  - **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](image) ![GHS08](image)

- **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.
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P333 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 10/27/2015 / -

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
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1