1: Identification

1.1 Product identifier
- Trade name: AFCONA - 2020
- 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.
- 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 - 2020

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 extinguition: 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 = 3
Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH  Health = 0
FIRE  Fire = 3
REACTIVITY  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
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.png)

  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:** 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:** 30 °C (86 °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):** 0.78 g/cm³ (6.509 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 - 2020

(Contd. of page 4)

<table>
<thead>
<tr>
<th>· Viscosity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic:</td>
</tr>
<tr>
<td>Not determined.</td>
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<tr>
<td>Kinematic:</td>
</tr>
<tr>
<td>Not determined.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>· Solvent content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic solvents:</td>
</tr>
<tr>
<td>80.0 %</td>
</tr>
<tr>
<td>VOC content:</td>
</tr>
<tr>
<td>80.0 %</td>
</tr>
<tr>
<td>624.0 g/l / 5.21 lb/gl</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· Solids content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0 %</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>· 9.2 Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
</tr>
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</table>

10: Stability and reactivity

<table>
<thead>
<tr>
<th>· 10.1 Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
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</tbody>
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<table>
<thead>
<tr>
<th>· 10.2 Chemical stability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>· 10.3 Possibility of hazardous reactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No dangerous reactions known.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· 10.4 Conditions to avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
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<table>
<thead>
<tr>
<th>· 10.5 Incompatible materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>· 10.6 Hazardous decomposition products:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No dangerous decomposition products known.</td>
</tr>
</tbody>
</table>

11: Toxicological information

<table>
<thead>
<tr>
<th>· 11.1 Information on toxicological effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity: Based on available data, the classification criteria are not met.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· Primary irritant effect:</th>
</tr>
</thead>
<tbody>
<tr>
<td>on the skin: Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>on the eye: Based on available data, the classification criteria are not met.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· Sensitization:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
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</table>

| · Additional toxicological information: |

<table>
<thead>
<tr>
<th>· Carcinogenic categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC (International Agency for Research on Cancer)</td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>NTP (National Toxicology Program)</td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>OSHA-Ca (Occupational Safety &amp; Health Administration)</td>
</tr>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

12: Ecological information

<table>
<thead>
<tr>
<th>· 12.1 Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic toxicity: No further relevant information available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· 12.2 Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
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</tbody>
</table>

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<tr>
<th>· 12.3 Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
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</tbody>
</table>

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<tr>
<th>· 12.4 Mobility in soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

| · Additional ecological information: |

<table>
<thead>
<tr>
<th>· General notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water hazard class 1 (Self-assessment): slightly hazardous for water</td>
</tr>
<tr>
<td>Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· 12.5 Results of PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT: Not applicable.</td>
</tr>
</tbody>
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(Contd. on page 6)
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
  - Danger code (Kemler): Warning: Flammable liquids 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

(Contd. on page 7)
41.2.14

· 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 1866 RESIN SOLUTION, 3, 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):
      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
  - GHS08

· Signal word Danger
Safety Data Sheet
acc. to OSHA HCS

Printing date 10/27/2015 Reviewed on 10/27/2015

Trade name: AFCONA - 2020

(Contd. of page 7)

- **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.
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  P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
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  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.

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**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:**
  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
  ACIGH: 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

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