SAFETY DATA SHEET
INTERSEAL 670 HS PART B

Section 1. Chemical product and company identification

A. Product name : INTERSEAL 670 HS PART B
   Product code : EGA247

B. Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Identified uses</th>
<th>Uses advised against</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional application of coatings and inks</td>
<td>All Other Uses</td>
<td></td>
</tr>
</tbody>
</table>

C. Manufacturer : International Farg AB
                     Holmedalen 3
                     Aspereds Industriomrade
                     SE-424 22 Angered
                     Sweden

                     Tel: +46 (0) 31 928500    Fax: +46 (0) 31 928530

                     Emergency telephone number (with hours of operation) : +46 8 33 12 31

                     E-mail address of person responsible for this SDS : sdsfellinguk@akzonobel.com

Section 2. Hazards identification

A. Hazard classification : FLAMMABLE LIQUIDS - Category 3
                          ACUTE TOXICITY (oral) - Category 4
                          SKIN CORROSION/IRRITATION - Category 1
                          SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
                          SKIN SENSITIZATION - Category 1
                          SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
                          LONG-TERM AQUATIC HAZARD - Category 3

B. GHS label elements, including precautionary statements

   Signal word : Danger
   Hazard statements : Flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Section 2. Hazards identification

Prevention: Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Do not breathe vapour. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response: Get medical attention if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements: Wear appropriate respirator when ventilation is inadequate.

C. Other hazards which do not result in classification: None known.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Common name</th>
<th>CAS number</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-morpholinopropylamine</td>
<td>aminopropylmorpholine</td>
<td>123-00-2</td>
<td>≥10 - &lt;20</td>
<td>Acute Tox. 4, H302, Skin Corr. 1, H314, Eye Dam. 1, H318</td>
</tr>
<tr>
<td>benzyl alcohol</td>
<td>benzyl alcohol</td>
<td>100-51-6</td>
<td>≥10 - &lt;20</td>
<td>Acute Tox. 4, H302, Acute Tox. 4, H332</td>
</tr>
<tr>
<td>xylene</td>
<td>xylene</td>
<td>1330-20-7</td>
<td>≥5 - &lt;10</td>
<td>Flam. Liq. 3, H226, Acute Tox. 4, H312, Acute Tox. 4, H332, Skin Irrit. 2, H315, Eye Irrit. 2, H319, STOT SE 3, H336, STOT RE 1, H372</td>
</tr>
</tbody>
</table>
Section 3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

A. Eye contact
   Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

B. Skin contact
   Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

C. Inhalation
   Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

D. Ingestion
   Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

E. Notes to physician
   In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

   Specific treatments: No specific treatment.

   Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)
## Section 5. Firefighting measures

### A. Extinguishing media

| Suitable extinguishing media | Use dry chemical, CO₂, water spray (fog) or foam. |
| Unsuitable extinguishing media | Do not use water jet. |

### B. Specific hazards arising from the chemical

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</th>
<th>Decomposition products may include the following materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>carbon dioxide</td>
</tr>
<tr>
<td></td>
<td>carbon monoxide</td>
</tr>
<tr>
<td></td>
<td>nitrogen oxides</td>
</tr>
</tbody>
</table>

### C. Special protective equipment for fire-fighters

| Special precautions for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## Section 6. Accidental release measures

### A. Personal precautions, protective equipment and emergency procedures

| No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |

### B. Environmental precautions

| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. |

### C. Methods and material for containment and cleaning up

#### Small spill

| Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

#### Large spill

| Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |
Section 7. Handling and storage

A. Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

B. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

A. Control parameters

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>xylene</strong></td>
<td>Ministry of Labor (Republic of Korea, 8/2013).</td>
</tr>
<tr>
<td></td>
<td>STEL: 655 mg/m³ 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>STEL: 150 ppm 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>TWA: 435 mg/m³ 8 hours.</td>
</tr>
<tr>
<td></td>
<td>TWA: 100 ppm 8 hours.</td>
</tr>
</tbody>
</table>

B. Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

C. Personal protective equipment

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Section 8. Exposure controls/personal protection

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection: Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton® or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and chemical properties

A. Appearance
   Physical state: Liquid.
   Colour: Beige.
B. Odour: Amine-like.
C. Odour threshold: Not available.
D. pH: Not applicable.
E. Melting/freezing point: Not available.
F. Boiling point/boiling range: Lowest known value: 205.3°C (401.5°F) (benzyl alcohol).
G. Flash point: Not available.
   Fire point: Not available.
H. Evaporation rate: Not available.
I. Flammability (solid, gas): Not available.
J. Lower and upper explosive (flammable) limits: Greatest known range: Lower: 1.3% Upper: 13% (benzyl alcohol)
K. Vapour pressure: Not available.
L. Solubility: Insoluble in the following materials: cold water.
M. Vapour density: Not available.
Section 9. Physical and chemical properties

N. Relative density : 0.99
O. Partition coefficient: n-octanol/water : Not available.
P. Auto-ignition temperature : Not available.
Q. Decomposition temperature : Not available.
R. Viscosity : Kinematic (room temperature): 327 mm²/s (327 cSt)
S. Molecular weight : Not applicable.

Section 10. Stability and reactivity

A. Chemical stability : The product is stable.
   Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
B. Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
C. Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials
D. Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

A. Information on likely routes of exposure : Not available.

Potential acute health effects

Inhalation : May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.
Skin contact : Causes severe burns. May cause an allergic skin reaction.
Eye contact : Causes serious eye damage.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following: headache
drowsiness/fatigue
dizziness/vertigo
muscle weakness
unconsciousness
Ingestion : Adverse symptoms may include the following:
stomach pains
Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Date of issue/Date of revision : 09/05/2017
Version : 3
Section 11. Toxicological information

B. Health hazards

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-morpholinopropylamine benzyl alcohol</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>3560 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>&gt;4178 mg/l</td>
<td>4 hours</td>
<td></td>
</tr>
<tr>
<td>xylene</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>2000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3,6, 9-triazaundecamethylenediamine</td>
<td>LD50 Oral</td>
<td>Rabbit</td>
<td>1620 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>4300 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rabbit</td>
<td>660 uL/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-morpholinopropylamine benzyl alcohol</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 10 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>48 hours 16 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Moderate irritant</td>
<td>Pig</td>
<td>-</td>
<td>100 Percent</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 100 milligrams</td>
<td></td>
</tr>
<tr>
<td>3,6, 9-triazaundecamethylenediamine</td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 100 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>5 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 5 milligrams</td>
<td></td>
</tr>
</tbody>
</table>

Sensitisation

Not available.

CMR - ISHA Article 42 Public Notice No 2013-38 Occupational Exposure Limits

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)
Section 11. Toxicological information

### Chronic toxicity
May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity**: No known significant effects or critical hazards.

**Mutagenicity**: No known significant effects or critical hazards.

### Developmental effects
No known significant effects or critical hazards.

### Fertility effects
No known significant effects or critical hazards.

#### ATE value

<table>
<thead>
<tr>
<th>Route</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>1169.9 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>9909.9 mg/kg</td>
</tr>
<tr>
<td>Inhalation (vapours)</td>
<td>41.98 mg/l</td>
</tr>
</tbody>
</table>

Section 12. Ecological information

### Ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>Acute LC50 8500 μg/l</td>
<td>Marine water</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 13400 μg/l</td>
<td>Fresh water</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

### Persistence and degradability
Not available.

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzyl alcohol</td>
<td>0.87</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>xylene</td>
<td>3.12</td>
<td>8.1 to 25.9</td>
<td>low</td>
</tr>
</tbody>
</table>

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.
Section 12. Ecological information

E. Other adverse effects: No known significant effects or critical hazards.

Section 13. Disposal considerations

A. Disposal methods: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

B. Disposal precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

<table>
<thead>
<tr>
<th>A. UN number</th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UN3470</td>
<td>UN3470</td>
<td>UN3470</td>
</tr>
<tr>
<td>B. UN proper shipping name</td>
<td>PAINT, CORROSIVE, FLAMMABLE</td>
<td>PAINT, CORROSIVE, FLAMMABLE</td>
<td>PAINT, CORROSIVE, FLAMMABLE</td>
</tr>
<tr>
<td>C. Transport hazard class(es)</td>
<td>8 (3)</td>
<td>8 (3)</td>
<td>8 (3)</td>
</tr>
<tr>
<td>D. Packing group</td>
<td>II</td>
<td>II</td>
<td>II</td>
</tr>
<tr>
<td>E. Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>F. Additional information</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

IMDG Code Segregation group: Not applicable.

Special precautions for user: Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

A. Regulation according to ISHA

ISHA article 37 (Harmful substances prohibited from manufacture): None of the components are listed.
Section 15. Regulatory information

ISHA article 38  (Harmful substances requiring permission): None of the components are listed.

Article 2 of Youth Protection Act on Substances Hazardous to Youth: Not applicable.

Exposure Limits of Chemical Substances and Physical Factors

The following components have an OEL:

- **Xylene**

ISHA Enforcement Regs Annex 11-3 (Exposure standards established for harmful factors): None of the components are listed.

ISHA Enforcement Regs Annex 11-4 (Harmful factors subject to Work Environment Measurement): The following components are listed: Xylene, o,m,p-isomers

ISHA Enforcement Regs Annex 12-2 (Harmful Factors Subject to Special Health Check-up): The following components are listed: Xylene

Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control): The following components are listed: Xylene

B. Regulation according to Chemicals Control Act

K-Reach Article 20 (Toxic chemicals): Not applicable

K-Reach Article 27 (Prohibited): None of the components are listed.

K-Reach Article 27 (Restricted): None of the components are listed.

CSCA Article 11 (TRI): The following components are listed: Xylene

Korea inventory: Not determined.

CSCA Article 39 (Accident Precaution Chemicals): The following components are listed: Xylene

C. Dangerous Materials Safety Management Act

- Class: Class 4 - Flammable Liquid
- Item: 4, Class 2 petroleum - Water-insoluble liquid
- Threshold: 1000 L
- Danger category: III
- Signal word: Contact with sources of ignition prohibited

D. Wastes regulation: Dispose of contents and container in accordance with all local, regional, national and international regulations.

E. Regulation according to other foreign laws

Europe inventory: Not determined.

United States inventory (TSCA 8b): Not determined.
Section 15. Regulatory information

Japan inventory : Japan inventory (ENCS): Not determined.
                : Japan inventory (ISHL): Not determined.

Section 16. Other information

A. References : Not available.
B. Date of issue/Date of revision : 09/05/2017
C. Version : 3
         : Date of printing : 09/05/2017
D. Other

Indicates information that has changed from previously issued version.

Key to abbreviations : ATE = Acute Toxicity Estimate
                        : BCF = Bioconcentration Factor
                        : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
                        : IATA = International Air Transport Association
                        : IBC = Intermediate Bulk Container
                        : IMDG = International Maritime Dangerous Goods
                        : LogPow = logarithm of the octanol/water partition coefficient
                        : MARPOL = International Convention for the Prevention of Pollution From Ships,
                        : 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
                        : UN = United Nations

Notice to reader

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Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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