SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name: Transpoxy MasterBond 4.66 Part B
Article number: 4.66 B

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
KOSSAN PAINT (M) SDN. BHD.
1,Jalan Koporat 1/KU9, Taman Perindustrian Meru, 42200 Kapar, Selangor Darul Ehsan, Malaysia.

Further information obtainable from:
Product safety department.
lskheong@kossanpaint.com.my

1.4 Emergency telephone number:
Manufacturer/supplier
603-33922799

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3   H226 Flammable liquid and vapour.

Repr. 2   H361 Suspected of damaging fertility or the unborn child.

Skin Corr. 1B   H314 Causes severe skin burns and eye damage.
Eye Dam. 1   H318 Causes serious eye damage.

Aquatic Acute 1   H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: Transpoxy MasterBond 4.66 Part B

GHS07

Acute Tox. 4   H302 Harmful if swallowed.
Skin Sens. 1   H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC
C Corrosive

Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 10 Flammable.
R 22 Harmful if swallowed.
R 36/38 Irritating to eyes and skin.
R 43 May cause sensitisation by skin contact.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product: Xn Harmful

Hazard-determining components of labelling:
3-aminomethyl-3,5,5-trimethylcyclohexylamine
4-nonylphenol, branched

Risk phrases:
10 Flammable.
22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.

Safety phrases: 2 Keep out of the reach of children.

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:
**Safety data sheet**

**according to 1907/2006/EC, Article 31**

**Trade name:** Transpoxy MasterBond 4.66 Part B

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### SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information:**
Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:**
Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Call for a doctor immediately.

**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.

---

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**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.

SECTION 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).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL Short-term</th>
<th>Long-term Short-term</th>
<th>Long-term Long-term</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene (2.5-10%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL</td>
<td>Short-term: 441 mg/m³, 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term: 220 mg/m³, 50 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sk; BMGV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>78-83-1 butanol (2.5-10%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL</td>
<td>Short-term: 231 mg/m³, 75 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term: 154 mg/m³, 50 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>BMGV</th>
<th>Medium</th>
<th>Sampling time</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene (2.5-10%)</td>
<td>650 mmol/mol creatinine</td>
<td>urine</td>
<td>post shift</td>
<td>methyl hippuric acid</td>
</tr>
</tbody>
</table>

- Additional information: The lists valid during the making 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.
    - Do not inhale gases / fumes / aerosols.
    - Avoid contact with the eyes and skin.
  - Respiratory protection:
    - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - 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

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: Liquid
    - Colour: Clear
  - Odour: Characteristic
  - Odour threshold: Not determined.
### SECTION 10: Stability and reactivity

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10.1 Reactivity</strong></td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td><strong>10.2 Chemical stability</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Thermal decomposition / conditions to be avoided</strong></td>
<td>No decomposition if used according to specifications.</td>
</tr>
<tr>
<td><strong>10.3 Possibility of hazardous reactions</strong></td>
<td>No dangerous reactions known.</td>
</tr>
<tr>
<td><strong>10.4 Conditions to avoid</strong></td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td><strong>10.5 Incompatible materials</strong></td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td><strong>10.6 Hazardous decomposition products</strong></td>
<td>No dangerous decomposition products known.</td>
</tr>
</tbody>
</table>
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Harmful if swallowed.

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50 (mg/kg)</th>
<th>Dermal LD50 (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td>4300</td>
<td>2000</td>
</tr>
</tbody>
</table>

Primary irritant effect:

Skin corrosion/irritation
Causes severe skin burns and eye damage.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory or skin sensitisation
May cause an allergic skin reaction.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 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: Not known to be hazardous to water.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.
SECTION 14: Transport information

14.1 UN-Number
- ADR, IMDG, IATA

14.2 UN proper shipping name
- ADR
  1263 PAINT, ENVIRONMENTALLY HAZARDOUS
- IMDG
  PAINT (4-nonylphenol, branched), MARINE POLLUTANT
- IATA
  PAINT

14.3 Transport hazard class(es)
- ADR, IATA
  - Class 3 Flammable liquids.
- IMDG
  - Class 3 Flammable liquids.

14.4 Packing group
- ADR, IMDG, IATA
  III

14.5 Environmental hazards:
- Product contains environmentally hazardous substances: 4-nonylphenol, branched
- Marine pollutant:
  - No
  - Symbol (fish and tree)

14.6 Special precautions for user
- Warning: Flammable liquids.
- EMS Number:
  F-E,S-E

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Not applicable.

UN "Model Regulation":
- UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category
  - E1 Hazardous to the Aquatic Environment
  - P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
SECTION 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.

· Relevant phrases
  H226 Flammable liquid and vapour.
  H302 Harmful if swallowed.
  H312 Harmful in contact with skin.
  H314 Causes severe skin burns and eye damage.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H318 Causes serious eye damage.
  H319 Causes serious eye irritation.
  H322 Harmful if inhaled.
  H35 May cause respiratory irritation.
  H36 May cause drowsiness or dizziness.
  H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
  H400 Very toxic to aquatic life.
  H410 Very toxic to aquatic life with long lasting effects.
  H412 Harmful to aquatic life with long lasting effects.
  R10 Flammable.
  R20/21 Harmful by inhalation and in contact with skin.
  R21/22 Harmful in contact with skin and if swallowed.
  R22 Harmful if swallowed.
  R34 Causes burns.
  R36/38 Irritating to eyes and skin.
  R37/38 Irritating to respiratory system and skin.
  R38 Irritating to skin.
  R41 Risk of serious damage to eyes.
  R43 May cause sensitisation by skin contact.
  R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  R62 Possible risk of impaired fertility.
  R63 Possible risk of harm to the unborn child.
  R67 Vapours may cause drowsiness and dizziness.

· Department issuing SDS: Product safety department.
· Contact: Mr. S.K. Lim

· Abbreviations and acronyms:
  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
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  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)
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Flam. Liq. 3: Flammable liquids – Category 3
Trade name: Transpoxy MasterBond 4.66 Part B

Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* Data compared to the previous version altered.