

## Safety Data Sheet according to GHS

Printing date 23.11.2022

Revision: 23.11.2022

### 1 Identification

- **Product identifier**
- **Trade name:** APOLLO DEAD FLAT LACQUER
- **Article number:** CWCNCL-00005
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Treasure Island Industrial Corp.  
No.2, 3rd Ave. S. Osmena Blvd.  
North Reclamation Area  
Cebu City 6000  
PHILIPPINES  
doo@treasureisland.com.ph
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** During normal opening times: +63 32 232 05 13

### 2 Hazard identification

- **Classification of the substance or mixture**



Flam. Liq. 2      H225 Highly flammable liquid and vapour.



Resp. Sens. 1      H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 Muta. 1B          H340 May cause genetic defects.  
 Carc. 1B          H350 May cause cancer.  
 Repr. 2            H361 Suspected of damaging fertility or the unborn child.  
 STOT SE 2        H371 May cause damage to the central nervous system and the visual organs.  
 STOT RE 2        H373 May cause damage to organs through prolonged or repeated exposure.  
 Asp. Tox. 1        H304 May be fatal if swallowed and enters airways.



Acute Tox. 4        H302 Harmful if swallowed.  
 Skin Irrit. 2        H315 Causes skin irritation.  
 Eye Irritation 2A    H319 Causes serious eye irritation.  
 Skin Sens. 1        H317 May cause an allergic skin reaction.  
 STOT SE 3        H336 May cause drowsiness or dizziness.

Acute Tox. 5        H333 May be harmful if inhaled.  
 Aquatic Acute 3     H402 Harmful to aquatic life.  
 Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.  
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**Classification according to Directive 67/548/EEC or Directive 1999/45/EC****T; Toxic**

R45-46: May cause cancer. May cause heritable genetic damage.

**Xn; Harmful**

R20/21/22-48/20-68/20/21/22-63-65: Harmful by inhalation, in contact with skin and if swallowed. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed.

**Xn; Sensitising**

R42/43: May cause sensitisation by inhalation and skin contact.

**Xi; Irritant**

R36/38: Irritating to eyes and skin.

**F; Highly flammable**

R11: Highly flammable.

**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.

**Classification system:**

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

**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:**

T Toxic

F Highly flammable

**Hazard-determining components of labelling:**

Methanol

Methylbenzene

Naphtha (petroleum), hydrotreated light

MODIFIED ROSIN ESTER

**Risk phrases:**

45 May cause cancer.

46 May cause heritable genetic damage.

11 Highly flammable.

20/21/22 Also harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

42/43 May cause sensitisation by inhalation and skin contact.

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48/20 Also harmful: danger of serious damage to health by prolonged exposure through inhalation.  
 68/20/21/22 Also harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

63 Possible risk of harm to the unborn child.

65 Harmful: may cause lung damage if swallowed.

· **Safety phrases:**

53 Avoid exposure - obtain special instructions before use.

1/2 Keep locked up and out of the reach of children.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.













· **vPvB:** Not applicable.

### 3 Composition / information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 108-88-3	Methylbenzene  Xn R48/20-63-65  Xi R38  F R11 R67 Repr. Cat. 3 <hr style="border-top: 1px dashed #000;"/>  Flam. Liq. 2, H225  Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304  Skin Irrit. 2, H315; STOT SE 3, H336 Acute Tox. 5, H303	
CAS: 123-86-4	Butyl Ethanoate  Xn R22  Xi R36/38  F+ R12 R67 <hr style="border-top: 1px dashed #000;"/>  Flam. Liq. 3, H226  Acute Tox. 3, H301  Skin Irrit. 2, H315; Eye Irritation 2A, H319; STOT SE 3, H336	

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CAS: 64742-49-0	<p><i>Naphtha (petroleum), hydrotreated light</i></p> <p> T Carc. Cat. 2, Muta. Cat. 2 R45-46</p> <p> Xn R65</p> <hr style="border-top: 1px dashed #000;"/> <p> Flam. Liq. 2, H225</p> <p> Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304</p> <p> Aquatic Chronic 2, H411</p> <p> Skin Irrit. 2, H315; STOT SE 3, H336</p> <p><i>Aquatic Acute 2, H401</i></p>
CAS: 67-56-1	<p><i>Methanol</i></p> <p> T R23/24/25-39/23/24/25</p> <p> F R11</p> <hr style="border-top: 1px dashed #000;"/> <p> Flam. Liq. 2, H225</p> <p> Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331</p> <p> STOT SE 1, H370</p> <p><i>Specific concentration limits: STOT SE 1; H370: C ≥ 10 %</i>  <i>STOT SE 2; H371: 3 % ≤ C &lt; 10 %</i></p>
CAS: 9004-70-0	<p><i>Nitrocellulose</i></p> <p> F R11</p>
CAS: 68083-19-2	<p><i>MODIFIED ROSIN ESTER</i></p> <p> Xn R20/21/22</p> <p> Xn R42/43</p> <hr style="border-top: 1px dashed #000;"/> <p> Resp. Sens. 1B, H334</p> <p> Skin Sens. 1B, H317</p> <p><i>Acute Tox. 5, H303; Acute Tox. 5, H313; Acute Tox. 5, H333</i></p>
CAS: 111-76-2	<p><i>Normal Butyl Cellusolve</i></p> <p> Xn R20/21/22</p> <p> Xi R36/38</p> <hr style="border-top: 1px dashed #000;"/> <p> Flam. Liq. 3, H226</p> <p> Eye Dam. 1, H318</p> <p> Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315</p>
CAS: 141-78-6	<p><i>ETHYL ACETATE</i></p> <p> Xi R36</p> <p> F R11</p> <p><i>R66-67</i></p> <hr style="border-top: 1px dashed #000;"/> <p> Flam. Liq. 2, H225</p> <p> Eye Irrit. 2, H319; STOT SE 3, H336</p>
CAS: 78-93-3	<p><i>Methyl ethyl ketone</i></p> <p> Xi R36</p> <p> F R11</p> <p><i>R66-67</i></p> <hr style="border-top: 1px dashed #000;"/> <p> Flam. Liq. 2, H225</p> <p> Eye Irrit. 2, H319; STOT SE 3, H336</p> <p><i>Acute Tox. 5, H303; Acute Tox. 5, H313</i></p>

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CAS: 1330-20-7	Dimethylbenzene  Xn R20/21  Xi R38 R10 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 Acute Tox. 5, H303	
CAS: 67-63-0	Isopropyl Alcohol  Xi R36  F R11 R67 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336 Acute Tox. 5, H333	
CAS: 108-65-6	2-methoxy-1-methylethyl acetate R10 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 3, H226 Acute Tox. 5, H333	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

· **Description of first aid measures**

· **General information:**

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.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

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

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

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- **Environmental precautions:**  
 Do not allow product to reach sewage system or any water course.  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.
- **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
- **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

- **Handling:**
- **Precautions for safe handling**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep container tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls / personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

 · **Ingredients with limit values that require monitoring at the workplace:**
**CAS: 108-88-3 Methylbenzene**

PEL (USA)	Long-term value: 200 ppm Ceiling limit: 300; 500* ppm *10-min peak per 8-hr shift
REL (USA)	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Long-term value: 20 ppm BEI, OTO, A4

**CAS: 123-86-4 Butyl Ethanoate**

PEL (USA)	Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
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REL (USA)	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
TLV (USA)	Short-term value: 150 ppm Long-term value: 50 ppm
<b>CAS: 67-56-1 Methanol</b>	
PEL (USA)	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
REL (USA)	Short-term value: 325 mg/m <sup>3</sup> , 250 ppm Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
TLV (USA)	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI
<b>CAS: 111-76-2 Normal Butyl Cellulosolve</b>	
PEL (USA)	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL (USA)	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV (USA)	Long-term value: 20 ppm BEI, A3
<b>CAS: 141-78-6 ETHYL ACETATE</b>	
PEL (USA)	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
REL (USA)	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	Long-term value: 400 ppm
<b>CAS: 78-93-3 Methyl ethyl ketone</b>	
PEL (USA)	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
REL (USA)	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
TLV (USA)	Short-term value: 300 ppm Long-term value: 200 ppm BEI
<b>CAS: 1330-20-7 Dimethylbenzene</b>	
PEL (USA)	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL (USA)	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4
<b>CAS: 67-63-0 Isopropyl Alcohol</b>	
PEL (USA)	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL (USA)	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
<b>CAS: 108-65-6 2-methoxy-1-methylethyl acetate</b>	
WEEL (USA)	Long-term value: 50 ppm

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**· Ingredients with biological limit values:**
**CAS: 108-88-3 Methylbenzene**

BEI (USA) 0.02 mg/L  
 Medium: blood  
 Time: prior to last shift of workweek  
 Parameter: Toluene

0.03 mg/L  
 Medium: urine  
 Time: end of shift  
 Parameter: Toluene

0.3 mg/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: o-Cresol with hydrolysis (background)

**CAS: 67-56-1 Methanol**

BEI (USA) 15 mg/L  
 Medium: urine  
 Time: end of shift  
 Parameter: Methanol (background, nonspecific)

**CAS: 111-76-2 Normal Butyl Cellulose**

BEI (USA) 200 mg/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

**CAS: 78-93-3 Methyl ethyl ketone**

BEI (USA) 2 mg/L  
 Medium: urine  
 Time: end of shift  
 Parameter: Methyl ethyl ketone (nonspecific)

**CAS: 1330-20-7 Dimethylbenzene**

BEI (USA) 1.5 g/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: Methylhippuric acids

**CAS: 67-63-0 Isopropyl Alcohol**

BEI (USA) 40 mg/L  
 Medium: urine  
 Time: end of shift at end of workweek  
 Parameter: Acetone (background, nonspecific)

· **Additional information:** The lists valid during the making were used as basis.

· **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.
- Store protective clothing separately.
- Avoid contact with the eyes and skin.

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· **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 through 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

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:**

*Fluid*

**Colour:**

*According to product specification*

· **Odour:**

*Characteristic*

· **Odour threshold:**

*Not determined.*

· **pH-value:**

*Not determined.*

· **Change in condition**

**Melting point/freezing point:**

*Undetermined.*

**Initial boiling point and boiling range:** 64.7 °C

· **Flash point:**

*< 0 °C*

· **Flammability (solid, gas):**

*Not applicable.*

· **Ignition temperature:**

*240 °C*

· **Decomposition temperature:**

*Not determined.*

· **Auto-ignition temperature:**

*Product is not selfigniting.*

· **Explosive properties:**

*Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*

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· <b>Explosion limits:</b>	
<b>Lower:</b>	1.1 Vol %
<b>Upper:</b>	8 Vol %
· <b>Vapour pressure at 20 °C:</b>	29 hPa
· <b>Density at 20 °C:</b>	0.91 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	74.2 %
<b>VOC (EC)</b>	74.18 %
<b>Solids content:</b>	20.9 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

 · **LD/LC50 values relevant for classification:**
**CAS: 108-88-3 Methylbenzene**

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)

**CAS: 67-56-1 Methanol**

Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

**CAS: 111-76-2 Normal Butyl Cellulose**

Oral	LD50	1,200 mg/kg (ATE)
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Dermal	LD50	1,480 mg/kg (rat) 400 mg/kg (rab)
<b>CAS: 78-93-3 Methyl ethyl ketone</b>		
Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)
<b>CAS: 1330-20-7 Dimethylbenzene</b>		
Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
<b>CAS: 67-63-0 Isopropyl Alcohol</b>		
Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
<b>CAS: 108-65-6 2-methoxy-1-methylethyl acetate</b>		
Oral	LD50	8,532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation**  
Sensitisation possible through inhalation.  
Sensitisation possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant  
Carcinogenic.  
The product can cause inheritable damage.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

- **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.

### 14 Transport information

· <b>UN-Number</b> · <b>ADR, IMDG, IATA</b>	UN1263
· <b>UN proper shipping name</b> · <b>ADR</b> · <b>IMDG, IATA</b>	1263 PAINT PAINT
· <b>Transport hazard class(es)</b> · <b>ADR, IMDG, IATA</b>	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b>	Warning: Flammable liquids. 33 F-E, <u>S</u> -E
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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 · **UN "Model Regulation":** UN 1263 PAINT, 3, II

### 15 Regulatory information

 · **Safety, health and environmental regulations/legislation specific for the substance or mixture**

 · **Philippines Inventory of Chemicals and Chemical Substances**

CAS: 108-88-3	Methylbenzene
CAS: 123-86-4	Butyl Ethanoate
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light
CAS: 67-56-1	Methanol
CAS: 9004-70-0	Nitrocellulose
CAS: 68083-19-2	MODIFIED ROSIN ESTER
CAS: 111-76-2	Normal Butyl Cellusolve
CAS: 141-78-6	ETHYL ACETATE
CAS: 63148-69-6	ALKYD RESIN
CAS: 78-93-3	Methyl ethyl ketone
CAS: 1330-20-7	Dimethylbenzene
CAS: 67-63-0	Isopropyl Alcohol
CAS: 108-65-6	2-methoxy-1-methylethyl acetate
CAS: 70657-70-4	2-methoxypropyl acetate

 · **Directive 2012/18/EU**

 · **Named dangerous substances - ANNEX I** None of the ingredients is listed.

 · **Seveso category** P5c FLAMMABLE LIQUIDS

 · **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

 · **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

 · **National regulations:**

 · **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.  
 Exceptions can be made by the authorities in certain cases.

 · **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.

 · **Relevant phrases**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.

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- H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H333 May be harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H336 May cause drowsiness or dizziness.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H370 Causes damage to organs.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.  
R11 Highly flammable.  
R12 Extremely flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
R42/43 May cause sensitisation by inhalation and skin contact.  
R45 May cause cancer.  
R46 May cause heritable genetic damage.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R63 Possible risk of harm to the unborn child.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

· **Department issuing SDS:** Product safety department

· **Contact:** Mr. Ong

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

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. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 5: Acute toxicity – Category 5

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

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*Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A*  
*Resp. Sens. 1: Respiratory sensitisation – Category 1*  
*Resp. Sens. 1B: Respiratory sensitisation – Category 1B*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Skin Sens. 1B: Skin sensitisation – Category 1B*  
*Muta. 1B: Germ cell mutagenicity – Category 1B*  
*Carc. 1B: Carcinogenicity – Category 1B*  
*Repr. 2: Reproductive toxicity – Category 2*  
*STOT SE 1: Specific target organ toxicity (single exposure) – Category 1*  
*STOT SE 2: Specific target organ toxicity (single exposure) – Category 2*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*  
*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*  
*Asp. Tox. 1: Aspiration hazard – Category 1*  
*Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2*  
*Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*  
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*  
· **\* Data compared to the previous version altered.**

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