

Safety Data Sheet according to GHS

Printing date 30.12.2022

Revision: 30.12.2022

1 Identification

- **Product identifier**
- **Trade name: ISLAND AUTOMOTIVE TINTING COLORS**
- **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.

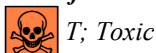


Muta. 1B	H340 May cause genetic defects.
Carc. 1B	H350 May cause cancer.
Repr. 1A	H360 May damage fertility or the unborn child.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.



Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Acute Tox. 5	H303 May be harmful if swallowed.
Acute Tox. 5	H313 May be harmful in contact with skin.
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.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



R45-46-60-61: May cause cancer. May cause heritable genetic damage. May impair fertility. May cause harm to the unborn child.

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Xn; Harmful

R20/21: *Harmful by inhalation and in contact with skin.*



Xi; Irritant

R38: *Irritating to skin.*

R10-52/53-64: *Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause harm to breastfed babies.*

· **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

· **Hazard-determining components of labelling:**

Solvent naphtha (petroleum), light arom.

Naphtha (petroleum), hydrotreated light

Dimethylbenzene

di-(2-ethylhexyl) phthalate

· **Risk phrases:**

45 *May cause cancer.*

46 *May cause heritable genetic damage.*

60 *May impair fertility.*

61 *May cause harm to the unborn child.*

10 *Flammable.*

20/21 *Also harmful by inhalation and in contact with skin.*

38 *Irritating to skin.*

52/53 *Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

64 *May cause harm to breastfed babies.*

· **Safety phrases:**

53 *Avoid exposure - obtain special instructions before use.*

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

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).*

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- **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: 1330-20-7	Dimethylbenzene  Xn R20/21  Xi R38 R10  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 Acute Tox. 5, H303	
	Nitrocellulose  F R11  Flam. Sol. 1, H228	
CAS: 111-76-2	Normal Butyl Cellulolve  Xn R20/21/22  Xi R36/38  Flam. Liq. 3, H226  Eye Dam. 1, H318  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 9004-70-0	Nitrocellulose  F R11	
CAS: 471-34-1	Calcium Carbonate	
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]  Carc. 2, H351 Acute Tox. 5, H333	

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CAS: 108-88-3	<p>Methylbenzene</p> <p> Xn R48/20-63-65</p> <p> Xi R38</p> <p> F R11</p> <p>R67</p> <p>Repr. Cat. 3</p> <p> Flam. Liq. 2, H225</p> <p> Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304</p> <p> Skin Irrit. 2, H315; STOT SE 3, H336</p> <p>Acute Tox. 5, H303</p>
CAS: 68083-19-2	<p>MODIFIED ROSIN ESTER</p> <p> Xn R20/21/22</p> <p> Xn R42/43</p> <p> Resp. Sens. 1B, H334</p> <p> Skin Sens. 1B, H317</p> <p>Acute Tox. 5, H303; Acute Tox. 5, H313; Acute Tox. 5, H333</p>
CAS: 64742-95-6	<p>Solvent naphtha (petroleum), light arom.</p> <p> T Carc. Cat. 2, Muta. Cat. 2 R45-46</p> <p> Xn R65</p> <p> Flam. Liq. 3, H226</p> <p> Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304</p> <p> Acute Tox. 4, H332</p> <p>Acute Tox. 5, H313</p>
CAS: 117-81-7	<p>di-(2-ethylhexyl) phthalate</p> <p> T Repr. Cat. 2 R60-61</p> <p> Repr. 1B, H360</p>
	<p>Carbon black</p> <p> Expl. 1.4, H204</p> <p> Flam. Liq. 3, H226; Self-react. C, H242</p> <p> Muta. 1B, H340; Carc. 1B, H350; Repr. 1A, H360</p> <p> Skin Irrit. 2, H315; Skin Sens. 1B, H317</p> <p>Acute Tox. 5, H313; Aquatic Acute 3, H402; Aquatic Chronic 4, H413</p>
CAS: 85535-85-9	<p>alkanes, C14-17, chloro</p> <p> N R50/53</p> <p>R64-66</p> <p> Aquatic Acute 1, H400; Aquatic Chronic 1, H410</p>
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CAS: 64742-49-0	<p><i>Naphtha (petroleum), hydrotreated light</i></p> <p> <i>T</i> Carc. Cat. 2, Muta. Cat. 2 R45-46</p> <p> <i>Xn</i> R65</p> <p> <i>Flam. Liq.</i> 2, H225</p> <p> <i>Muta.</i> 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304</p> <p> <i>Aquatic Chronic</i> 2, H411</p> <p> <i>Skin Irrit.</i> 2, H315; <i>STOT SE</i> 3, H336</p> <p><i>Aquatic Acute</i> 2, H401</p>	
CAS: 123-86-4	<p><i>Butyl Ethanoate</i></p> <p> <i>Xn</i> R22</p> <p> <i>Xi</i> R36/38</p> <p> <i>F+</i> R12</p> <p>R67</p> <p> <i>Flam. Liq.</i> 3, H226</p> <p> <i>Acute Tox.</i> 3, H301</p> <p> <i>Skin Irrit.</i> 2, H315; <i>Eye Irritation</i> 2A, H319; <i>STOT SE</i> 3, H336</p>	
CAS: 67-56-1	<p><i>Methanol</i></p> <p> <i>T</i> R23/24/25-39/23/24/25</p> <p> <i>F</i> R11</p> <p> <i>Flam. Liq.</i> 2, H225</p> <p> <i>Acute Tox.</i> 3, H301; <i>Acute Tox.</i> 3, H311; <i>Acute Tox.</i> 3, H331</p> <p> <i>STOT SE</i> 1, H370</p> <p><i>Specific concentration limits: STOT SE</i> 1; H370: $C \geq 10 \%$ <i>STOT SE</i> 2; H371: $3 \% \leq C < 10 \%$</p>	
CAS: 556-67-2	<p><i>octamethylcyclotetrasiloxane</i></p> <p> <i>Xn</i> R62</p> <p>R53</p> <p><i>Repr. Cat.</i> 3</p> <p> <i>Flam. Liq.</i> 3, H226</p> <p> <i>Repr.</i> 2, H361</p> <p> <i>Aquatic Chronic</i> 1, H410</p>	

· *SVHC*

CAS: 117-81-7	<i>di-(2-ethylhexyl) phthalate</i>
CAS: 85535-85-9	<i>alkanes, C14-17, chloro</i>

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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

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

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- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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:** CO₂, 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.
- **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.

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- **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 container tightly sealed.
- **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: 1330-20-7 Dimethylbenzene

PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4

CAS: 111-76-2 Normal Butyl Cellulose

PEL (USA)	Long-term value: 240 mg/m ³ , 50 ppm Skin
REL (USA)	Long-term value: 24 mg/m ³ , 5 ppm Skin
TLV (USA)	Long-term value: 20 ppm BEI, A3

CAS: 471-34-1 Calcium Carbonate

PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn

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 ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 20 ppm BEI, OTO, A4

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CAS: 117-81-7 di-(2-ethylhexyl) phthalate

PEL (USA)	Long-term value: 5 mg/m ³
REL (USA)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ See Pocket Guide App. A
TLV (USA)	Long-term value: (5) mg/m ³ , NIC-0.03 ppm NIC-Skin, A3

Carbon black

PEL (USA)	Long-term value: 3.5 mg/m ³
REL (USA)	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps. A+C
TLV (USA)	Long-term value: 3* mg/m ³ *inhalable fraction, A3

CAS: 123-86-4 Butyl Ethanoate

PEL (USA)	Long-term value: 710 mg/m ³ , 150 ppm
REL (USA)	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV (USA)	Short-term value: 150 ppm Long-term value: 50 ppm

CAS: 67-56-1 Methanol

PEL (USA)	Long-term value: 260 mg/m ³ , 200 ppm
REL (USA)	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV (USA)	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI

CAS: 556-67-2 octamethylcyclotetrasiloxane

WEEL (USA)	Long-term value: 10* ppm *OARS WEEL
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· Ingredients with biological limit values:
CAS: 1330-20-7 Dimethylbenzene

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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CAS: 111-76-2 Normal Butyl Cellusolve

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
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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)
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CAS: 67-56-1 Methanol

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

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.

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· **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: 137-143 °C

· **Flash point:** < 23 °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.

· **Explosion limits:**

Lower: 1.1 Vol %
Upper: 7 Vol %

· **Vapour pressure at 20 °C:** 29 hPa

· **Density at 20 °C:** 0.95 g/cm³

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:** Not determined.

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· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	43.8 %
Water:	0 %
VOC (EC)	43.77 %
· Solids content:	
	32.1 %
· Other information	
	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: 1330-20-7 Dimethylbenzene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

CAS: 111-76-2 Normal Butyl Cellusolve

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)

CAS: 471-34-1 Calcium Carbonate

Oral	LD50	6,450 mg/kg (rat)
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CAS: 13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

CAS: 108-88-3 Methylbenzene

Oral	LD50	5,000 mg/kg (rat)
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Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)
CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)
CAS: 117-81-7 di-(2-ethylhexyl) phthalate		
Oral	LD50	30,600 mg/kg (rat)
Dermal	LD50	25,000 mg/kg (rabbit)
Carbon black		
Oral	LD50	10,000 mg/kg (rat)
CAS: 67-56-1 Methanol		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Irritant to skin and mucous membranes.

· **Serious eye damage/irritation** No irritating effect.

· **Respiratory or skin sensitisation** No sensitising effects known.

· **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.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **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.

Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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 · **Other adverse effects** No further relevant information available.

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

- | | |
|---|--|
| · UN-Number | UN1210 |
| · ADR, IMDG, IATA | |
| · UN proper shipping name | 1210 PRINTING INK |
| · ADR | PRINTING INK |
| · IMDG, IATA | |
| · Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · Packing group | II |
| · ADR, IMDG, IATA | |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Warning: Flammable liquids. |
| · Hazard identification number (Kemler code): | 33 |
| · EMS Number: | F-E,S-D |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E2 |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 500 ml |
| · Transport category | 2 |

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- | | |
|--|---|
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | 5L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml |
| <ul style="list-style-type: none"> · UN "Model Regulation": | UN 1210 PRINTING INK, 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: 1330-20-7	Dimethylbenzene
CAS: 63148-69-6	ALKYD RESIN
CAS: 111-76-2	Normal Butyl Cellusolve
CAS: 9004-70-0	Nitrocellulose
CAS: 471-34-1	Calcium Carbonate
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
CAS: 108-88-3	Methylbenzene
CAS: 68083-19-2	MODIFIED ROSIN ESTER
CAS: 14807-96-6	Hydrated Magnesium Silicate
CAS: 9003-01-4	THERMOPLASTIC ACRYLIC RESIN
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.
CAS: 117-81-7	di-(2-ethylhexyl) phthalate
	Carbon black
CAS: 85535-85-9	alkanes, C14-17, chloro
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light
CAS: 123-86-4	Butyl Ethanoate
CAS: 67-56-1	Methanol
CAS: 1318-93-0	Montmorillonite
CAS: 7732-18-5	water, distilled, conductivity or of similar purity
CAS: 141-78-6	ETHYL ACETATE
CAS: 112926-00-8	Precipitated silica (Silica-Amorphous)
CAS: 78-93-3	Methyl ethyl ketone
CAS: 21645-51-2	aluminium hydroxide
CAS: 67-64-1	propanone
CAS: 67-63-0	Isopropyl Alcohol
CAS: 556-67-2	octamethylcyclotetrasiloxane
CAS: 108-65-6	2-methoxy-1-methylethyl acetate

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CAS: 100-41-4	ethylbenzene
CAS: 8001-78-3	castor oil, hydrogenated
CAS: 64742-88-7	Solvent naphtha (petroleum), medium aliph.

- **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.

- **Other regulations, limitations and prohibitive regulations**

· Substances of very high concern (SVHC) according to REACH, Article 57	
CAS: 117-81-7	di-(2-ethylhexyl) phthalate
CAS: 85535-85-9	alkanes, C14-17, chloro

- **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

- | | |
|------|--|
| H204 | Fire or projection hazard. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H228 | Flammable solid. |
| H242 | Heating may cause a fire. |
| 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. |
| 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. |

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H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
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.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
.....	
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.
R36/38	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.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R60	May impair fertility.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.
R64	May cause harm to breastfed babies.
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

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PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Expl. 1.4: Explosives – Division 1.4
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Sol. 1: Flammable solids – Category 1
Self-react. C: Self-reactive substances and mixtures – Type C/D
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 4: Acute toxicity – Category 4
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
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Resp. Sens. 1B: Respiratory sensitisation – Category 1B
Skin Sens. 1B: Skin sensitisation – Category 1B
Muta. 1B: Germ cell mutagenicity – Category 1B
Carc. 1B: Carcinogenicity – Category 1B
Carc. 2: Carcinogenicity – Category 2
Repr. 1A: Reproductive toxicity – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
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 1: Hazardous to the aquatic environment - acute aquatic 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 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
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
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
 • *** Data compared to the previous version altered.**

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