

## Safety Data Sheet according to GHS

Printing date 10.12.2022

Revision: 10.05.2022

### 1 Identification

- **Product identifier**
- **Trade name:** **INDUSTRIAL S/F RUB SPORT COURT COATING**
- **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. 3      H226 Flammable liquid and vapour.



Muta. 1B      H340 May cause genetic defects.

Carc. 1B      H350 May cause cancer.



Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.



Acute Tox. 4      H332 Harmful if inhaled.

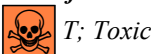
Skin Irrit. 2      H315 Causes skin irritation.

Acute Tox. 5      H313 May be harmful in contact with skin.

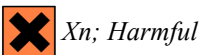
Aquatic Acute 2      H401 Toxic to aquatic life.

CWPPAO-03916

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



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



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

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*Xi; Irritant**R38: Irritating to skin.**N; Dangerous for the environment**R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**R10-64: Flammable. 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**N Dangerous for the environment***· Hazard-determining components of labelling:***Solvent naphtha (petroleum), light arom.**Dimethylbenzene***· Risk phrases:***45 May cause cancer.**46 May cause heritable genetic damage.**10 Flammable.**20/21 Also harmful by inhalation and in contact with skin.**38 Irritating to skin.**51/53 Toxic 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).***· Other hazards****· Results of PBT and vPvB assessment****· PBT:** *Not applicable.***· vPvB:** *Not applicable.*

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### 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 <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: 471-34-1	Calcium Carbonate	
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] <hr style="border-top: 1px dashed black;"/>  Carc. 2, H351 Acute Tox. 5, H333	
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.  T Carc. Cat. 2, Muta. Cat. 2 R45-46  Xn R65 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 3, H226  Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304  Acute Tox. 4, H332 Acute Tox. 5, H313	
CAS: 85535-85-9	alkanes, C14-17, chloro  N R50/53 R64-66 <hr style="border-top: 1px dashed black;"/>  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 556-67-2	octamethylcyclotetrasiloxane  Xn R62 R53 Repr. Cat. 3 <hr style="border-top: 1px dashed black;"/>  Flam. Liq. 3, H226  Repr. 2, H361  Aquatic Chronic 1, H410	

- **SVHC**

CAS: 85535-85-9	alkanes, C14-17, chloro
CAS: 556-67-2	octamethylcyclotetrasiloxane

- **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.

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- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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:** 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.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

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 · **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 <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

**CAS: 471-34-1 Calcium Carbonate**

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

**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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 · **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

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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:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	137-143 °C

· **Flash point:** 23 - 60 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 500 °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:**

· <b>Lower:</b>	1.1 Vol %
· <b>Upper:</b>	7 Vol %

· **Vapour pressure at 20 °C:** 6.7-8.2 hPa

· <b>Density at 20 °C:</b>	1.22 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

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· <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>	42.8 %
<b>Water:</b>	0.1 %
<b>VOC (EC)</b>	42.85 %
<b>Solids content:</b>	57.3 %
· <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: 1330-20-7 Dimethylbenzene**

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

**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: 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)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.

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- **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:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **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

- |                                  |   |
|----------------------------------|---|
| · <b>UN-Number</b>               | UN1263                                  |
| · <b>ADR, IMDG, IATA</b>         |   |
| · <b>UN proper shipping name</b> | 1263 PAINT, ENVIRONMENTALLY HAZARDOUS   |
| · <b>ADR</b>                     | PAINT (alkanes, C14-17, chloro), MARINE |
| · <b>IMDG</b>                    | POLLUTANT                               |
| · <b>IATA</b>                    | PAINT                                   |

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 · **Transport hazard class(es)**

 · **ADR, IMDG**

 · **Class**  
 · **Label**

 3 Flammable liquids.  
 3

 · **IATA**

 · **Class**  
 · **Label**

 3 Flammable liquids.  
 3

 · **Packing group**

 · **ADR, IMDG, IATA**

III

 · **Environmental hazards:**

Product contains environmentally hazardous substances: alkanes, C14-17, chloro

 · **Marine pollutant:**

Symbol (fish and tree)

 · **Special marking (ADR):**

Symbol (fish and tree)

 · **Special precautions for user**

Warning: Flammable liquids.

 · **Hazard identification number (Kemler code):**

30

 · **EMS Number:**

 F-E,S-E

 · **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: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

 · **Transport category**

3

 · **IMDG**

 · **Limited quantities (LQ)**

5L

 · **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

 · **UN "Model Regulation":**

UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

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### 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: 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: 14807-96-6	Hydrated Magnesium Silicate
CAS: 9003-01-4	THERMOPLASTIC ACRYLIC RESIN
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.
CAS: 85535-85-9	alkanes, C14-17, chloro
CAS: 1318-93-0	Montmorillonite
CAS: 112926-00-8	Precipitated silica (Silica-Amorphous)
CAS: 21645-51-2	aluminium hydroxide
CAS: 67-64-1	propanone
CAS: 556-67-2	octamethylcyclotetrasiloxane
CAS: 8001-78-3	castor oil, hydrogenated
CAS: 7732-18-5	water, distilled, conductivity or of similar purity
CAS: 64742-88-7	Solvent naphtha (petroleum), medium aliph.
CAS: 100-41-4	ethylbenzene
CAS: 14808-60-7	Silicon Dioxide
CAS: 108-88-3	Methylbenzene

· **Directive 2012/18/EU**

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

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 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: 85535-85-9	alkanes, C14-17, chloro
CAS: 556-67-2	octamethylcyclotetrasiloxane

· **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.

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**· Relevant phrases**

- H226 *Flammable liquid and vapour.*
- H303 *May be harmful if swallowed.*
- H304 *May be fatal if swallowed and enters airways.*
- H312 *Harmful in contact with skin.*
- H313 *May be harmful in contact with skin.*
- H315 *Causes skin irritation.*
- H332 *Harmful if inhaled.*
- H333 *May be harmful if inhaled.*
- H340 *May cause genetic defects.*
- H350 *May cause cancer.*
- H351 *Suspected of causing cancer.*
- H361 *Suspected of damaging fertility or the unborn child.*
- H400 *Very toxic to aquatic life.*
- H410 *Very toxic to aquatic life with long lasting effects.*
- R10 *Flammable.*
- R20/21 *Harmful by inhalation and in contact with skin.*
- R38 *Irritating to skin.*
- R45 *May cause cancer.*
- R46 *May cause heritable genetic damage.*
- 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.*
- R62 *Possible risk of impaired fertility.*
- R64 *May cause harm to breastfed babies.*
- R65 *Harmful: may cause lung damage if swallowed.*
- R66 *Repeated exposure may cause skin dryness or cracking.*

**· 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
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 5: Acute toxicity – Category 5
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Muta. 1B: Germ cell mutagenicity – Category 1B
- Carc. 1B: Carcinogenicity – Category 1B
- Carc. 2: Carcinogenicity – Category 2
- Repr. 2: Reproductive toxicity – 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 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

**· \* Data compared to the previous version altered.**