



Safety Data Sheet
according to GHS

Printing date 30.01.2026

Revision: 30.01.2026

1 Identification

- **Product identifier**
- **Trade name: COLORQUICK (SOLVENT-BASED)**
- **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:**
Company Name : Treasure Island Chemical Corp.
Company Address: Sitio Pilit Cabancalan, 6014 City of Mandaue, Cebu Philippines
Email Address: ddo@treasureisland.com.ph
Contact No.: +63 32 346 49 54-55
- **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**



GHS02 flame

Flam. Liq. 3

H226

Flammable liquid and vapour.



GHS08 health hazard

Muta. 1B

H340

May cause genetic defects.

Carc. 1B

H350

May cause cancer.

Asp. Tox. 1

H304

May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2

H411

Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315

Causes skin irritation.

Serious eye damage/irritation – Category 2A

H319

Causes serious eye irritation.

STOT SE 3

H335-H336

May cause respiratory irritation. May cause drowsiness or dizziness.

Acute Tox. 5

H333

May be harmful if inhaled.

Aquatic Acute 2

H401

Toxic to aquatic life.

CWPALB-00109

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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

R65: Harmful: may cause lung damage if swallowed.



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: 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

N Dangerous for the environment

Hazard-determining components of labelling:

Kerosene

Naphtha (petroleum), hydrodesulfurized heavy

Risk phrases:

45 May cause cancer.

46 May cause heritable genetic damage.

10 Flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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

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: 8008-20-6	Kerosene R10 Aquatic Acute 2, H401
CAS: 64475-85-0	MINERAL SPIRITS R10
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] Acute Tox. 5, H333
CAS: 1317-65-3	Calcium Carbonate Acute Tox. 5, H333; Skin Corr. 3, H316; Serious eye damage/irritation – Category 2B, H320
CAS: 22464-99-9	Zirconium Octoate
CAS: 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy

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CAS: 136-52-7	cobalt bis(2-ethylhexanoate) Xn R22 Acute Tox. 3, H301	
	Methyl Ethyl Ketone-Oxime Xn R20/22 Xi R36 Acute Tox. 3, H331 Acute Tox. 4, H302; Serious eye damage/irritation – Category 2A, H319 Flammable liquids 4, H227	

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

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** 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.
- **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:** No special measures required.

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 section 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.

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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.
- **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 section 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 8008-20-6 Kerosene

REL (USA)	Long-term value: 100 mg/m ³ Kerosene only
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TLV (USA)	Long-term value: 200 mg/m ³ as total hydrocarbon vapor; Skin; A3, P
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CAS: 136-52-7 cobalt bis(2-ethylhexanoate)

TLV (USA)	Long-term value: 0.02*mg/m ³ as Co, A3; *Inhalable; DSEN; RSEN; BEI
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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.

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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:	36 °C

· Flash point: 23 - 60 °C

· Flammability Flammable.

· Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

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· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.04 g/cm ³
· 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.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	52.1 %
VOC (EC)	52.13 %
Solids content:	48.3 %
· 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: 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)

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Inhalative LC50/4 h >6.82 mg/l (rat)

- **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:

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.



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14 Transport information

<ul style="list-style-type: none"> · UN-Number · ADR, IMDG, IATA 	<p>UNI263</p>
<ul style="list-style-type: none"> · UN proper shipping name · ADR · IMDG · IATA 	<p>1263 PAINT, ENVIRONMENTALLY HAZARDOUS PAINT, MARINE POLLUTANT PAINT</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · ADR, IMDG 	<div style="display: flex; align-items: center;">   </div>
<ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> · IATA 	<div style="display: flex; align-items: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> · Packing group · ADR, IMDG, IATA 	<p>III</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: · Special marking (ADR): 	<p>Product contains environmentally hazardous substances: Kerosene Symbol (fish and tree) Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: 	<p>Warning: Flammable liquids. 30 F-E,<u>S-E</u></p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of Marpol and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> · Transport category 	<p>3</p>

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- **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

15 Regulatory information

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

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

CAS: 8008-20-6	Kerosene
CAS: 63148-69-6	ALKYD RESIN
CAS: 64475-85-0	MINERAL SPIRITS
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
CAS: 1317-65-3	Calcium Carbonate
CAS: 112926-00-8	Precipitated silica (Silica-Amorphous)
CAS: 21645-51-2	aluminium hydroxide
CAS: 22464-99-9	Zirconium Octoate
CAS: 1318-93-0	Montmorillonite
CAS: 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy
CAS: 136-52-7	cobalt bis(2-ethylhexanoate)
CAS: 111-76-2	BUTYL CELLOSOLVE
CAS: 14808-60-7	Silicon Dioxide

- **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.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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.
- H227 Combustible liquid.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H316 Causes mild skin irritation.
- H319 Causes serious eye irritation.
- H320 Causes eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H333 May be harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H351 Suspected of causing cancer.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H401 Toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R20/22 Harmful by inhalation and if swallowed.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R45 May cause cancer.
- R46 May cause heritable genetic damage.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.

· 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

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Flam. Liq. 3: Flammable liquids – Category 3
Flammable liquids 4: Flammable liquids – Category 4
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
Skin Corr. 3: Skin corrosion/irritation – Category 3
Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Serious eye damage/irritation – Category 2B: Serious eye damage/eye irritation – Category 2B
Muta. 1B: Germ cell mutagenicity – Category 1B
Carc. 1B: Carcinogenicity – Category 1B
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
***Data compared to the previous version altered.**

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1 Identification

- **Product identifier**
- **Trade name: COLORQUICK (WATER-IN-OIL SYSTEM)**
- **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:**
Company Name : Treasure Island Chemical Corp.
Company Address: Sitio Pilit Cabancalan, 6014 City of Mandaue, Cebu Philippines
Email Address: ddo@treasureisland.com.ph
Contact No.: +63 32 346 49 54-55
- **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**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Muta. 1B H340 May cause genetic defects.
Carc. 1B H350 May cause cancer.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Acute 2 H401 Toxic to aquatic life.

- **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

R65: Harmful: may cause lung damage if swallowed.

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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: 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

N Dangerous for the environment

Hazard-determining components of labelling:

Kerosene

Solvent naphtha (petroleum), light arom.

Naphtha (petroleum), hydrodesulfurized heavy

Risk phrases:

45 May cause cancer.

46 May cause heritable genetic damage.

10 Flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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

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: 8008-20-6	<p>Kerosene</p> <p> Xn R65 Xi R38 N R51/53 R10</p> <p> Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H335-H336 Aquatic Acute 2, H401</p>	
	<p>Iron Oxide</p> <p>Acute Tox. 5, H303</p>	
CAS: 64742-16-1	<p>Petroleum Resin</p> <p> Xn R21/22 R53</p> <p>Acute Tox. 5, H303; Acute Tox. 5, H313; Aquatic Chronic 4, H413</p>	
CAS: 64742-81-0	<p>Kerosine (petroleum), hydrodesulfurized</p> <p> Xn R65 Asp. Tox. 1, H304</p>	
	<p>Polymeric Surfactant</p> <p>Acute Tox. 5, H303; Acute Tox. 5, H313; Acute Tox. 5, H333; Skin Corr. 3, H316; Serious eye damage/irritation – Category 2B, H320</p>	
CAS: 64742-95-6	<p>Solvent naphtha (petroleum), light arom.</p> <p> T Carc. Cat. 2, Muta. Cat. 2 R45-46 Xn R65</p> <p> Flam. Liq. 3, H226 Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304 Acute Tox. 4, H332 Acute Tox. 5, H313</p>	
CAS: 64742-82-1	<p>Naphtha (petroleum), hydrodesulfurized heavy</p> <p> T Carc. Cat. 2, Muta. Cat. 2 R45-46 Xn R48/20-65</p> <p> Flam. Liq. 3, H226 Muta. 1B, H340; Carc. 1B, H350; STOT RE 1, H372; Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336</p>	
CAS: 22464-99-9	<p>Zirconium Octoate</p> <p> Xn R20/22 Xi R36/38</p> <p> Flam. Liq. 3, H226 Acute Tox. 3, H301 Acute Tox. 4, H332; Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319</p>	

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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: 136-52-7	<p>cobalt bis(2-ethylhexanoate)</p> <p> Xn R22</p> <p> Acute Tox. 3, H301</p>	

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

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** 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.
- **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:** No special measures required.

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 section 13.

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- 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.
- **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 section 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 8008-20-6 Kerosene	
REL (USA)	Long-term value: 100 mg/m ³ Kerosene only
TLV (USA)	Long-term value: 200 mg/m ³ as total hydrocarbon vapor; Skin; A3, P
CAS: 64742-81-0 Kerosene (petroleum), hydrodesulfurized	
REL (USA)	Long-term value: 100 mg/m ³ Kerosene only
TLV (USA)	Long-term value: 200 mg/m ³ as total hydrocarbon vapor; Skin; A3, P
CAS: 108-88-3 Methylbenzene	
PEL (USA)	Long-term value: 200 ppm Ceiling limit: 300; 500* ppm *10-min peak per 8-hr shift

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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
CAS: 136-52-7 cobalt bis(2-ethylhexanoate)	
TLV (USA)	Long-term value: 0.02* mg/m ³ as Co, A3; *inhalable; DSEN; RSEN; BEI

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)

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

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· **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:	100 °C

· **Flash point:** 23 - 60 °C

· **Flammability:** Flammable.

· **Auto-ignition temperature:** 210 °C

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

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

· **Explosion limits:**

· Lower:	0.5 Vol %
· Upper:	6.5 Vol %

· **Vapour pressure at 20 °C:** 23 hPa

· Density at 20 °C:	0.96 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

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· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	33.5 %
Water:	29.2 %
VOC (EC)	33.52 %
· Solids content:	34.4 %
· 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:		
Iron Oxide		
Oral	LD50	5,000 mg/kg (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)
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)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** No irritating effect.

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- **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:
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

- **UN-Number**
- **ADR, IMDG, IATA** UNI263
- **UN proper shipping name**
- **ADR** 1263 PAINT, ENVIRONMENTALLY HAZARDOUS
- **IMDG** PAINT, MARINE POLLUTANT

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· IATA	PAINT
· 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: · Marine pollutant: · Special marking (ADR):	Product contains environmentally hazardous substances: Kerosene Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number:	Warning: Flammable liquids. 30 F-E, <u>S-E</u>
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L 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) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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

15 Regulatory information

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

· Philippines Inventory of Chemicals and Chemical Substances	
CAS: 8008-20-6	Kerosene
CAS: 7732-18-5	water, distilled, conductivity or of similar purity
CAS: 63148-69-6	ALKYD RESIN
CAS: 64742-16-1	Petroleum Resin
CAS: 64742-81-0	Kerosine (petroleum), hydrodesulfurized
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.
CAS: 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy
CAS: 22464-99-9	Zirconium Octoate
CAS: 68551-41-7	Fatty acids, C6-19-branched, calcium salts, overbased
CAS: 7487-88-9	magnesium sulphate
CAS: 1317-65-3	Calcium Carbonate
CAS: 108-88-3	Methylbenzene
CAS: 1318-93-0	Montmorillonite
CAS: 136-52-7	cobalt bis(2-ethylhexanoate)
CAS: 8050-26-8	Resin acids and rosin acids, esters with pentaerythritol
	Carbon black
CAS: 112-80-1	oleic acid, pure
CAS: 111-76-2	BUTYL CELLOSOLVE
CAS: 14808-60-7	Silicon Dioxide

· **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.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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.*
- H303 *May be harmful if swallowed.*
- H304 *May be fatal if swallowed and enters airways.*
- H313 *May be harmful in contact with skin.*
- H315 *Causes skin irritation.*
- H316 *Causes mild skin irritation.*
- H319 *Causes serious eye irritation.*
- H320 *Causes eye irritation.*
- H332 *Harmful if inhaled.*
- H333 *May be harmful if inhaled.*
- H335 *May cause respiratory irritation.*
- H336 *May cause drowsiness or dizziness.*
- H340 *May cause genetic defects.*
- H350 *May cause cancer.*
- H361 *Suspected of damaging fertility or the unborn child.*
- H372 *Causes damage to organs through prolonged or repeated exposure.*
- 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.*
- H413 *May cause long lasting harmful effects to aquatic life.*

- R10 *Flammable.*
- R11 *Highly flammable.*
- R20/22 *Harmful by inhalation and if swallowed.*
- R21/22 *Harmful in contact with skin and if swallowed.*
- R22 *Harmful if swallowed.*
- R36/38 *Irritating to eyes and skin.*
- R38 *Irritating to skin.*
- R45 *May cause cancer.*
- R46 *May cause heritable genetic damage.*
- R48/20 *Harmful: danger of serious damage to health by prolonged exposure through inhalation.*
- R51/53 *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.*
- R63 *Possible risk of harm to the unborn child.*
- R65 *Harmful: may cause lung damage if swallowed.*
- 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

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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. 5: Acute toxicity – Category 5
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Corr. 3: Skin corrosion/irritation – Category 3
Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Serious eye damage/irritation – Category 2B: Serious eye damage/eye irritation – Category 2B
Muta. 1B: Germ cell mutagenicity – Category 1B
Carc. 1B: Carcinogenicity – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
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 Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
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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