



# Safety Data Sheet

acc. to OSHA HCS

Printing date 02/16/2023

Reviewed on 10/18/2022

## 1 Identification

### Product identifier

**Trade name:** Hollandlac Satin BW (2S-M)**Application of the substance / the mixture** Paint**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Fine Paints of Europe Inc.

274 West Woodstock Road

Woodstock, VT 05091

USA

info@finepaints.com

Phone: 800.332.1556

**Emergency telephone number:** Phone: 1.800.332.1556 (Monday-Friday 8:00 a.m. - 5:30 p.m. EDT)

## 2 Hazard(s) identification

### Classification of the substance or mixture

Flammable Liquids 3 H226 Flammable liquid and vapor.

### Label elements

#### GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



GHS02

**Signal word** Warning

#### Hazard statements

Flammable liquid and vapor.

#### Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection.

If swallowed: Immediately call a doctor.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical advice/attention if you feel unwell.

In case of fire: Use foam to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

## Information pertaining to particular dangers for man and environment:

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### Classification system:

#### NFPA ratings (scale 0 - 4)



Health = 0  
Fire = 2  
Reactivity = 0

#### HMIS-ratings (scale 0 - 4)



HEALTH 0 Health = 0  
FIRE 2 Fire = 2  
REACTIVITY 0 Reactivity = 0

### Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

### Chemical characterization: Mixtures

Dangerous components:		
13463-67-7	titanium dioxide	>10–≤25%
64742-46-7	Distillates (petroleum), hydrotreated middle	>2.5–≤10%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	20-50%

## 4 First-aid measures

### Description of first aid measures

#### General information:

Take affected persons out into the fresh air.

Keep warm, position comfortably and cover well.

Consult doctor if symptoms persist.

#### 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 remove any clothing soiled by the product.

Immediately rinse with water.

#### After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### After swallowing:

If person is conscious, rinse out mouth.

Do not induce vomiting; immediately call for medical help.

#### Information for doctor:

#### Most important symptoms and effects, both acute and delayed

No further relevant information available.

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## 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>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**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:** Wear fully protective suit.

#### Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

**Environmental precautions:** Do not allow product to reach sewage system or any water course.

#### 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.

#### 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.

#### Protective Action Criteria for Chemicals

PAC-1:		
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
108-32-7	propylene carbonate	34 mg/m <sup>3</sup>
104-76-7	2-Ethyl-1-hexanol	0.1 ppm
107-41-5	2-methylpentane-2,4-diol	2.3 ppm
7447-41-8	lithium chloride	2.3 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
111-66-0	oct-1-ene	40 ppm
PAC-2:		
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
108-32-7	propylene carbonate	370 mg/m <sup>3</sup>
104-76-7	2-Ethyl-1-hexanol	100 ppm
107-41-5	2-methylpentane-2,4-diol	25 ppm
7447-41-8	lithium chloride	25 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm

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111-66-0	oct-1-ene	800* ppm
<b>PAC-3:</b>		
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>
108-32-7	propylene carbonate	2,200 mg/m <sup>3</sup>
104-76-7	2-Ethyl-1-hexanol	200 ppm
107-41-5	2-methylpentane-2,4-diol	150 ppm
7447-41-8	lithium chloride	150 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
111-66-0	oct-1-ene	2000* ppm

## 7 Handling and storage

### Handling:

#### Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

#### Conditions for safe storage, including any incompatibilities

**Storage:** Observe instructions for use / storage.

**Requirements to be met by storerooms and receptacles:** Protect from heat and direct sunlight.

**Information about storage in one common storage facility:** Store away from oxidizing agents.

#### Further information about storage conditions:

Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### Control parameters

#### Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

<b>13463-67-7 titanium dioxide</b>	
PEL	Long-term value: 15* mg/m <sup>3</sup> *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 0.2* 2.5** mg/m <sup>3</sup> resp. fraction, *nanoscale,**finescale, A3

**Additional information:** The lists that were valid during the creation were used as basis.

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## Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

#### Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device when aerosol or mist is formed.

Filter A/P2

#### Protection of hands:



Protective gloves

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

#### As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

#### Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

<b>Form:</b>	Viscous
<b>Color:</b>	Different according to coloring
<b>Odor:</b>	Product specific
<b>Odor threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined.

##### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	154–193 °C (309.2–379.4 °F) (64742-48-9 Naphtha (petroleum), hydrotreated heavy)

**Flash point:** 53 °C (127.4 °F)

**Flammability (solid, gaseous):** Flammable.

**Ignition temperature:** 237 °C (458.6 °F) (64742-48-9 Naphtha (petroleum), hydrotreated heavy)

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

##### Explosion limits:

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

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<b>Vapor pressure at 20 °C (68 °F):</b>	2 hPa (1.5 mm Hg) (64742-48-9 Naphtha (petroleum), hydrotreated heavy)
<b>Density at 20 °C (68 °F):</b>	1.11–1.15 g/cm <sup>3</sup> (9.263–9.597 lbs/gal)
<b>Relative density</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic at 20 °C (68 °F):</b>	1,062.93–1,263.6 mPas
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>VOC content:</b>	≥24.74–<28.7 % 318.6–<330 g/l / 2.66–<2.75 lb/gal
<b>Solids content:</b>	73.8 %
<b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

**Reactivity** No further relevant information available.

**Chemical stability** The product is stable.

**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 that are relevant for classification:**

### 13463-67-7 titanium dioxide

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

### 64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

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## Additional toxicological information:

### Carcinogenic categories

#### IARC (International Agency for Research on Cancer)

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint.

13463-67-7	titanium dioxide	2B
7631-86-9	silicon dioxide, chemically prepared	3
128-37-0	Butylated hydroxytoluene	3

#### NTP (National Toxicology Program)

None of the ingredients is listed.

#### OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## 12 Ecological information

### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

### Behavior in environmental systems:

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

### Additional ecological information:

#### General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### 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 of together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packagings:

**Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

### UN-Number

DOT, IMDG, IATA

UN1263

### UN proper shipping name

DOT, IATA

Paint

IMDG

PAINT

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## Transport hazard class(es)

DOT



<b>Class</b>	3 Flammable liquids
<b>Label</b>	3

## IMDG, IATA



<b>Class</b>	3 Flammable liquids
<b>Label</b>	3
<b>Packing group</b>	
<b>DOT, IMDG, IATA</b>	III
<b>Environmental hazards:</b>	Not applicable.
<b>Special precautions for user</b>	Warning: Flammable liquids
<b>Hazard identification number (Kemler code):</b>	30
<b>EMS Number:</b>	F-E, <u>S-E</u>
<b>Stowage Category</b>	A
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>DOT</b>	
<b>Quantity limitations</b>	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L

## IMDG

<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN 1263 PAINT, 3, III

## 15 Regulatory information

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

### Section 355 (extremely hazardous substances):

None of the ingredients is listed.

### Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):** All ingredients are listed.

### Hazardous Air Pollutants

15956-58-8	2-ethylhexanoic acid, manganese salt
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## Proposition 65

<b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
<b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.
<b>Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients is listed.
<b>Chemicals known to cause developmental toxicity:</b>
None of the ingredients is listed.

## Carcinogenic categories

<b>EPA (Environmental Protection Agency)</b>		
None of the ingredients is listed.		
<b>TLV (Threshold Limit Value)</b>		
13463-67-7	titanium dioxide	A4
128-37-0	Butylated hydroxytoluene	A4
<b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
13463-67-7	titanium dioxide	

**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.

**Date of preparation / last revision** 10/18/2022

### Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 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)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 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  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flammable Liquids 3: Flammable liquids – Category 3