



Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

1 Identification

Product identifier

Trade name: Sign Enamel Satin BW**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.

Avoid release to the environment.

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.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 1)

Get medical advice/attention if you feel unwell.

In case of fire: Use foam to extinguish.

Store in a well-ventilated place. Keep cool.

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

Additional information: Keep out of reach of children.**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

Fire = 2

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%
	Naphtha (petroleum), hydrotreated heavy CAS number: 64742-48-9	>10–≤25%
	Distillates (petroleum), hydrotreated light CAS number: 64742-47-8	>2.5–≤10%
	Distillates (petroleum), hydrotreated middle CAS number: 64742-46-7	>2.5–≤10%
108-83-8	2,6-dimethylheptan-4-one	≥0–≤2.5%

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.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 2)

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.**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, 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.

Inform respective authorities in case of seepage into water course or sewage system.

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.

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 ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 3)

108-83-8	2,6-dimethylheptan-4-one	75 ppm
108-32-7	propylene carbonate	34 mg/m ³
104-76-7	2-Ethyl-1-hexanol	0.1 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³
7447-41-8	lithium chloride	2.3 mg/m ³
107-41-5	2-methylpentane-2,4-diol	2.3 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
98-82-8	Cumene	50 ppm
111-66-0	oct-1-ene	40 ppm

PAC-2:

13463-67-7	titanium dioxide	330 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	330 ppm
108-32-7	propylene carbonate	370 mg/m ³
104-76-7	2-Ethyl-1-hexanol	100 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³
7447-41-8	lithium chloride	17 mg/m ³
107-41-5	2-methylpentane-2,4-diol	25 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
98-82-8	Cumene	300 ppm
111-66-0	oct-1-ene	800* ppm

PAC-3:

13463-67-7	titanium dioxide	2,000 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
108-32-7	propylene carbonate	2,200 mg/m ³
104-76-7	2-Ethyl-1-hexanol	200 ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³
7447-41-8	lithium chloride	100 mg/m ³
107-41-5	2-methylpentane-2,4-diol	150 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
98-82-8	Cumene	730 ppm
111-66-0	oct-1-ene	2000* ppm

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 4)

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: No special requirements.

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 section 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

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

13463-67-7 titanium dioxide	
PEL	Long-term value: 15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 0.2* 2.5** mg/m ³ resp. fraction, *nanoscale, **finescale, A3
108-83-8 2,6-dimethylheptan-4-one	
PEL	Long-term value: 290 mg/m ³ , 50 ppm
REL	Long-term value: 150 mg/m ³ , 25 ppm
TLV	Long-term value: 25 ppm

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

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.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 5)

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:

Form:

Viscous

Color:

Different according to coloring

Odor:

Product specific

Odor threshold:

Not determined.

pH-value:

Not determined.

Change in condition

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

154–193 °C (309.2–379.4 °F) (Distillates (petroleum), hydrotreated light)

Flash point:

42 °C (107.6 °F)

Flammability (solid, gaseous):

Flammable.

Auto igniting:

233 °C (451.4 °F) (Naphtha (petroleum), hydrotreated heavy)

Decomposition temperature:

Not determined.

Ignition temperature:

Product is not selfigniting.

Danger of explosion:

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

Explosion limits:

Lower:

Not determined.

Upper:

Not determined.

Vapor pressure at 20 °C (68 °F):

0.5 hPa (0.375 mm Hg) (Naphtha (petroleum), hydrotreated heavy)

Density at 20 °C (68 °F):1.11–1.15 g/cm³ (9.263–9.597 lbs/gal)**Relative density**

Not determined.

Vapor density

Not determined.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 6)

Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C (68 °F):	1,062.93–1,263.6 mPas
Kinematic:	Not determined.
Solvent content:	
VOC content:	≥24.8–<26.12 % ≥290–300.4 g/l / ≥2.42–2.51 lb/gal
Solids content:	74.1 %
Other information	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: Oxidizing substances

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)
Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,000 mg/l (rat)
Distillates (petroleum), hydrotreated light		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,000 mg/l (rat)
Distillates (petroleum), hydrotreated middle		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 7)

Inhalative	LC50/4 h	>5,266 mg/l (rat)
108-83-8 2,6-dimethylheptan-4-one		
Oral	LD50	5,750 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rabbit)

Primary irritant effect:**on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**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
98-82-8	Cumene	2B

NTP (National Toxicology Program)

98-82-8	Cumene	R
---------	--------	---

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity**Aquatic toxicity:****Naphtha (petroleum), hydrotreated heavy**

EL0	1,000 mg/l /72h (Pseudokirchneriella subcapitata)
	1,000 mg/l /48h (daphnia)
LL0	1,000 mg/l /96h (Oncorhynchus mykiss)

Distillates (petroleum), hydrotreated light

EL0	1,000 mg/l /48h (daphnia)
EL50	>1,000 mg/l /72h (Pseudokirchneriella subcapitata)
	1,000 mg/l /48h (daphnia)
LL50	>1,000 mg/l /96h (Oncorhynchus mykiss)
NOELR	100 mg/l /72h (Pseudokirchneriella subcapitata)

Distillates (petroleum), hydrotreated middle

EL0	1,000 mg/l /72h (Pseudokirchneriella subcapitata)
	1,000 mg/l /48h (daphnia)
LL0	87,556 mg/l /96h (Oncorhynchus mykiss)

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 8)

NOELR	1,000 mg/l /72h (Pseudokirchneriella subcapitata) 5 mg/l /21d (daphnia)
108-83-8 2,6-dimethylheptan-4-one	
LC50	140 mg/l /96h (Oncorhynchus mykiss)

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

Transport hazard class(es)

DOT



Class

3 Flammable liquids

Label

3

IMDG, IATA



Class

3 Flammable liquids

Label

3

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 9)

Packing group

DOT, IMDG, IATA

III

Environmental hazards:

Not applicable.

Special precautions for user

Warning: Flammable liquids

Hazard identification number (Kemler code): 30**EMS Number:**

F-E, S-E

Stowage Category

A

Transport in bulk according to Annex II of**MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:**DOT****Quantity limitations**

On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

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

15 Regulatory information

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

No further relevant information available.

Sara**Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

98-82-8 | Cumene

TSCA (Toxic Substances Control Act):

All components are listed on the Inventory and have the value ACTIVE or are exempt.

Hazardous Air Pollutants

98-82-8 | Cumene

Proposition 65**Chemicals known to cause cancer:**

98-82-8 | Cumene

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/10/2024

Reviewed on 02/16/2023

Trade name: Sign Enamel Satin BW

(Contd. of page 10)

Carcinogenic categories

EPA (Environmental Protection Agency)		
98-82-8	Cumene	D, CBD
TLV (Threshold Limit Value)		
13463-67-7	titanium dioxide	A4
NIOSH-Ca (National Institute for Occupational Safety and Health)		
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 02/16/2023 / -

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

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