



Safety Data Sheet

acc. to OSHA HCS

Printing date 10/17/2024

Reviewed on 02/16/2023

1 Identification

Product identifier

Trade name: Sign Enamel Brilliant 98 BTR**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.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

Label elements

GHS label elements

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

Hazard pictograms



GHS02 GHS07

Signal word

 Warning

Hazard-determining components of labeling:

Distillates (petroleum), hydrotreated light

Hazard statements

Flammable liquid and vapor.

May cause drowsiness or dizziness.

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.

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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.

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

Additional information: Keep out of reach of children.**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:		
	Distillates (petroleum), hydrotreated light CAS number: 64742-47-8	>10–≤25%
	Distillates (petroleum), hydrotreated middle CAS number: 64742-46-7	>2.5–≤10%
	Naphtha (petroleum), hydrotreated heavy CAS number: 64742-48-9	≥0–≤2.5%
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.

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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.

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:		
108-83-8	2,6-dimethylheptan-4-one	75 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm

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107-41-5	2-methylpentane-2,4-diol	2.3 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³
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:

108-83-8	2,6-dimethylheptan-4-one	330 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
107-41-5	2-methylpentane-2,4-diol	25 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³
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:

108-83-8	2,6-dimethylheptan-4-one	2000* ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
107-41-5	2-methylpentane-2,4-diol	150 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
98-82-8	Cumene	730 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:** 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.

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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 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.

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.

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.

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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:	41 °C (105.8 °F)
Flammability (solid, gaseous):	Flammable.
Auto igniting:	237 °C (458.6 °F) (Distillates (petroleum), hydrotreated light)
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):	2 hPa (1.5 mm Hg) (Distillates (petroleum), hydrotreated light)
Density at 20 °C (68 °F):	0.92–0.96 g/cm ³ (7.677–8.011 lbs/gal)
Relative density	Not determined.
Vapor 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 at 20 °C (68 °F):	892.26–1,062.93 mPas
Kinematic:	Not determined.
Solvent content:	
VOC content:	≥28.29–<29 % 266.8–278.4 g/l / 2.23–2.32 lb/gal
Solids content:	71.6 %
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.

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11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

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)
Inhalative	LC50/4 h	>5,266 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)

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)

98-82-8	Cumene	2B
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NTP (National Toxicology Program)

98-82-8	Cumene	R
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OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity:

Distillates (petroleum), hydrotreated light

EL0	1,000 mg/l /48h (daphnia)
EL50	>1,000 mg/l /72h (Pseudokirchneriella subcapitata)

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LL50	1,000 mg/l /48h (daphnia)
NOELR	>1,000 mg/l /96h (Oncorhynchus mykiss)
	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)
NOELR	1,000 mg/l /72h (Pseudokirchneriella subcapitata)
	5 mg/l /21d (daphnia)
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)
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

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Transport hazard class(es)

DOT



Class 3 Flammable liquids
Label 3

IMDG, IATA



Class 3 Flammable liquids
Label 3
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

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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.	

Carcinogenic categories

EPA (Environmental Protection Agency)		
98-82-8	Cumene	D, CBD

TLV (Threshold Limit Value)	
None of the ingredients is listed.	

NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	

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)

HMS: 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

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REL: Recommended Exposure Limit

Flammable Liquids 3: Flammable liquids – Category 3

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3