Safety Data Sheet
REGULATORY REACH 1907/2006
923.SM12 TRASPARENTE HS ANTIGRAFFIO

Safety Data Sheet dated 9/9/2021, version 14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name : TRASPARENTE HS ANTIGRAFFIO

Trade code : 923.SM12

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product type and use: Painting product for car refinish and industrial job-professional use-

1.3. Details of the supplier of the safety data sheet

Supplier:

PALINI VERNICI S.R.L. Via San Gerolamo,14 25055 Pisogne (BS)

PALINI VERNICI S.R.L. Tel.+390364/880496- 882727 Fax.+390364/882740-87722 (9-12 13-18)

Competent person responsible for the safety data sheet:

ricerca@palinal.com

1.4. Emergency telephone number

PALINI VERNICI S.R.L. Tel.+390364/880496- 882727 Fax.+390364/882740-87722 (9-12 13-18)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Flam. Liq. 3, Flammable liquid and vapour.

Warning, Skin Sens. 1A, May cause an allergic skin reaction.

Warning, STOT SE 3, May cause drowsiness or dizziness.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat - No smoking.

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

n-butyl acetate
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified
2-hydroxyethyl methacrylate
: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:
Restricted to professional users.

2.3. Other hazards

PBT Substances:
>=1% -< 3% 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - REACH No.: 01-2119955688-17, CAS: 25973-55-1, EC: 247-384-8

vPvB Substances:
>=1% -< 3% 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - REACH No.: 01-2119955688-17, CAS: 25973-55-1, EC: 247-384-8

Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.

3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number		Classification
>=25% -< 30%	n-butyl acetate	Index number: CAS: EC: REACH No.:	607-025-00-1 123-86-4 204-658-1 01-2119485493-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>=5% -< 7%	2-butoxyethyl acetate; butylglycol acetate	Index number: CAS: EC: REACH No.:	607-038-00-2 112-07-2 203-933-3 01-2119475112-47	3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332 3.1/4/Oral Acute Tox. 4 H302
>=3% -< 5%	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	Index number: CAS: EC: REACH No.:	649-356-00-4 64742-95-6 265-199-0 01-2119455851-35	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H335 3.8/3 STOT SE 3 H336 3.10/1 Asp. Tox. 1 H304 4.1/C2 Aquatic Chronic 2 H411
>=1% -< 3%	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	CAS: EC: REACH No.:	25973-55-1 247-384-8 01-2119955688	4.1/C4 Aquatic Chronic 4 H413 3.9/2 STOT RE 2 H373

			-17	
>=0.5% - < 1%	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	CAS: REACH No.:	1065336-91-5 01-2119491304-40	3.4.2/1A Skin Sens. 1A H317 4.1/A1 Aquatic Acute 1 H400 4.1/C1 Aquatic Chronic 1 H410
>=0.1% - < 0.25%	2-hydroxyethyl methacrylate CAS:	868-77-9 EC: REACH No.:	3.2/2 Skin Irrit. 2 H315 212-782-2 01-2119490169-29	3.3/2 Eye Irrit. 2 H319 3.4.2/1 Skin Sens. 1 H317
>=0.1% - < 0.25%	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS: EC: REACH No.:	N.D. 919-857-5 01-2119463258-33	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336 3.10/1 Asp. Tox. 1 H304
750 ppm	styrene	Index number: CAS: EC:	601-026-00-0 100-42-5 202-851-5	4.1/C3 Aquatic Chronic 3 H412 2.6/3 Flam. Liq. 3 H226 3.1/4/Inhal Acute Tox. 4 H332 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.10/1 Asp. Tox. 1 H304 3.7/2 Repr. 2 H361 3.9/1 STOT RE 1 H372

SVHC Substances:

>=1% -< 3% 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol

REACH No.: 01-2119955688-17, CAS: 25973-55-1, EC: 247-384-8

Substance PBT and vPvB and SVHC

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
In case of fire, use a dry powder fire extinguisher to extinguish.
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Store between 5 and 35°C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.

Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-butyl acetate - CAS: 123-86-4
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
EU - TWA(8h): 241 mg/m3, 50 ppm - STEL: 723 mg/m3, 150 ppm

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
EU - TWA(8h): 133 mg/m3, 20 ppm - STEL: 333 mg/m3, 50 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A3 - Hemolysis

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: N.D.
TLV-TWA - 116 mg/m3, 20 ppm

styrene - CAS: 100-42-5
ACGIH - TWA(8h): 10 ppm - STEL: 20 ppm - Notes: OTO, A3, BEI - CNS and hearing impair, URT irr, peripheral neuropathy, visual disorders

DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4
Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short Term (acute)

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
Worker Professional: 102 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 133 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified - CAS: 64742-95-6
Worker Professional: 25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 150 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 32 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - CAS: 25973-55-1
Worker Professional: 0.3 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 0.7 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5
Worker Professional: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 2.35 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 2.35 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: N.D.
Worker Professional: 300 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Professional: 1500 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 208 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 871 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

styrene - CAS: 100-42-5
Worker Professional: 85 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 289 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 306 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 406 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

n-butyl acetate - CAS: 123-86-4
Target: Fresh Water - Value: 0.18 mg/l
Target: Marine water - Value: 0.018 mg/l
Target: 08 - Value: 0.36 mg/l
Target: 09 - Value: 35.6 mg/l
Target: Freshwater sediments - Value: 0.981 mg/kg
Target: Marine water sediments - Value: 0.0981 mg/kg
Target: Soil (agricultural) - Value: 0.0903 mg/kg

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
Target: Fresh Water - Value: 0.304 mg/l
Target: Marine water - Value: 0.0304 mg/l
Target: 08 - Value: 0.56 mg/l
Target: Freshwater sediments - Value: 2.03 mg/kg
Target: Marine water sediments - Value: 0.203 mg/kg
Target: Soil (agricultural) - Value: 0.68 mg/kg
Target: 09 - Value: 90 mg/l

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - CAS: 25973-55-1
Target: Fresh Water - Value: 0.01 mg/l
Target: Marine water - Value: 0.001 mg/l
Target: Soil (agricultural) - Value: 9 mg/kg
Target: Freshwater sediments - Value: 45.1 mg/kg
Target: Marine water sediments - Value: 4.41 mg/kg
Target: 09 - Value: 1 mg/l

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5
Target: Fresh Water - Value: 0.0022 mg/l
Target: Marine water - Value: 0.00022 mg/l
Target: 08 - Value: 0.009 mg/l
Target: Freshwater sediments - Value: 1.05 mg/kg
Target: Marine water sediments - Value: 0.11 mg/kg
Target: Soil (agricultural) - Value: 0.21 mg/kg

Target: 09 - Value: 1 mg/l
styrene - CAS: 100-42-5
Target: Fresh Water - Value: 0.028 mg/l
Target: Marine water - Value: 0.0028 mg/l
Target: 08 - Value: 0.04 mg/l
Target: 09 - Value: 5 mg/l
Target: Freshwater sediments - Value: 0.614 mg/kg
Target: Marine water sediments - Value: 0.0614 mg/kg
Target: Soil (agricultural) - Value: 0.2 mg/kg

8.2. Exposure controls

Eye protection:
Use close fitting safety goggles, don't use eye lens.

Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
Use adequate protective respiratory equipment. es. CEN/FFP-2 o CEN/FFP-3

Thermal Hazards:
None

Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid	--	--
Odour:	CHARACTERISTIC	--	--
Odour threshold:	N.A.	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	> 35 gradi C.	--	--
Flash point:	>= 23	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.D.	--	--

Vapour density:	>Air	--	--
Relative density:	1.011 Kg/L Kg/L	--	--
Solubility in water:	Insolubile	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	400 gradi C.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	kv > 20,5 mm2/s	--	--
Explosive properties:	2/11 % Volume	--	--
Oxidizing properties:	N.D.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Miscibility:	N.A.	--	--
Solids	52.2	--	--
% Volatile carbon:	29	--	--
% Solvent	47.8	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.)
10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 21.1 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1880 mg/kg
Test: LD50 - Route: Inhalation - Species: Rat > 3.91 mg/kg - Duration: 8h
Test: LD50 - Route: Skin - Species: Rabbit = 1500 mg/kg

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified - CAS: 64742-95-6

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 6193 mg/m3 - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg
Test: LD50 - Route: Oral - Species: Rat 3492 mg/kg

b) skin corrosion/irritation:

Test: Eye Irritant - Species: Rabbit 100 ul/kg
Test: Skin Irritant - Route: Skin - Species: Rabbit

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - CAS: 25973-55-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 7750 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 0.4 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 1100 mg/kg

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3230 mg/kg

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: N.D.

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m3 - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

styrene - CAS: 100-42-5

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 11.8 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg
Test: LD50 - Route: Oral - Species: Mouse = 316 mg/kg

n-butyl acetate - CAS: 123-86-4

OBSERVATIONS ON HUMAN SUBJECTS:
Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.
Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.
Inhaling the vapours can irritate the respiratory system.
The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.
TCLo: 200 ppm

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt sound working practices, so that the product is not released into the environment.
n-butyl acetate - CAS: 123-86-4
e) Plant toxicity:
Endpoint: EC50 - Species: Algae = 675 mg/l - Duration h: 72
2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
e) Plant toxicity:
Endpoint: EC50 - Species: Algae = 1570 mg/l - Duration h: 72
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified - CAS: 64742-95-6
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 9.2 mg/l - Duration h: 96
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - CAS: 25973-55-1
e) Plant toxicity:
Endpoint: NOEC - Species: Algae = 0.1 mg/l - Duration h: 72
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: N.D.
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1000 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
styrene - CAS: 100-42-5
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 4.7 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 4.02 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae = 4.9 mg/l - Duration h: 72

12.2. Persistence and degradability

None
N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

PBT Substances:
>=1% -< 3% 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - CAS: 25973-55-1
vPvB Substances:

>=1% -< 3% 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol - CAS: 25973-55-1

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN Number:	1263
IATA-UN Number:	1263
IMDG-UN Number:	1263

14.2. UN proper shipping name

ADR-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (includingpaint thinning and reducing compound)
IATA-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (includingpaint thinning and reducing compound)
IMDG-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (includingpaint thinning and reducing compound)

14.3. Transport hazard class(es)

ADR-Class:	3
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

ADR-Enviromental Pollutant:	NO
IMDG-Marine pollutant:	NO

14.6. Special precautions for user

ADR-Subsidiary hazards:	-
ADR-S.P.:	163 367 640E 650
ADR-Transport category (Tunnel restriction code):	3 (D/E)
IATA-Passenger Aircraft:	355
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-EmS:	F-E, S-E
IMDG-Subsidiary hazards:	-

IMDG-Stowage and handling: Category A
IMDG-Segregation: -

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restriction 40
Restrictions related to the substances contained:
Restriction 28
Restriction 29
Restriction 75
Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)
SVHC Substances:
Substances subject to authorisation (Annex XIV Reg. 1907/2006, REACH):
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol
PBT, vPvB
Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P5c

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H413 May cause long lasting harmful effects to aquatic life.
H373 May cause damage to organs through prolonged or repeated exposure.
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs (hearing organs) through prolonged or repeated exposure.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3
Aquatic Chronic 4	4.1/C4	Chronic (long term) aquatic hazard, category 4

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 8: Exposure controls/personal protection
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	**Classification procedure**
Flam. Liq. 3, H226	On basis of test data
Skin Sens. 1A, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
NIOSH - Registry of toxic effects of chemical substances (1983)
I.N.R.S. - Fiche Toxicologique
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization"

	(ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.