

Safety Data Sheet

CLEAR HS SCRATCH RESISTANT

Safety Data Sheet dated 9/6/2017, version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Mixture identification:
 Trade name: CLEAR HS SCRATCH RESISTANT
 Trade code: 6A.1.X30
 Product type and use: Car and industrial paint

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

Recommended use:
 SU3 Industrial uses: Uses of substances as such or in preparations* at industrial sites
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 PC9a Coatings and paints, thinners, paint removers
 Uses advised against:
 SU21 Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Company:
 GÉNÉRALE DE PEINTURE, 70 rue Cortambert, 75116 Paris - France
 +33 (0)1 75 29 35 59

Competent person responsible for the safety data sheet:
 matt@lusid.biz

1.4. Emergency telephone number

matt@lusid.biz
 Emergency US – 1-800-535-5053 Outside US - +1-352-323-3500 InfoTrac Contract # 89244

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, 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.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P312 Call a POISON CENTER/ doctor/if you feel unwell.
- P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special Provisions:

6A.1.X30/3

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None

Contains

n-butyl acetate

HYDROCARBONS , C9, AROMATICS

Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7: May produce an allergic reaction.

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate: May produce an allergic reaction.

Dibutyltin dilaurate: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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
>= 20% - < 25%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1	◆ 2.6/3 Flam. Liq. 3 H226 ◆ 3.8/3 STOT SE 3 H336 EUH066
>= 7% - < 10%	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9	◆ 2.6/3 Flam. Liq. 3 H226
>= 5% - < 7%	HYDROCARBONS , C9, AROMATICS	EC: 918-668-5	◆ 2.6/3 Flam. Liq. 3 H226 ◆ 4.1/C2 Aquatic Chronic 2 H411 ◆ 3.8/3 STOT SE 3 H335 ◆ 3.10/1 Asp. Tox. 1 H304 ◆ 3.8/3 STOT SE 3 H336 EUH066 DECLP (CLP)*
>= 1% - < 3%	cyclohexanone	Index number: 606-010-00-7 CAS: 108-94-1 EC: 203-631-1	◆ 2.6/3 Flam. Liq. 3 H226 ◆ 3.1/4/Inhal Acute Tox. 4 H332
>= 1% - < 3%	2-butoxyethyl acetate; butylglycol acetate	Index number: 607-038-00-2 CAS: 112-07-2 EC: 203-933-3	◆ 3.1/4/Dermal Acute Tox. 4 H312 ◆ 3.1/4/Oral Acute Tox. 4 H302 ◆ 3.1/4/Inhal Acute Tox. 4 H332
>= 0.25% - < 0.5%	Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7	Index number: 607-176-00-3 EC: 400-830-7	◆ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ◆ 4.1/C2 Aquatic Chronic 2 H411

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>= 0.25% - < 0.5%	reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate		<ul style="list-style-type: none"> ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 4.1/A1 Aquatic Acute 1 H400 ⚠ 4.1/C1 Aquatic Chronic 1 H410
>= 0.1% - < 0.25%	Dibutyltin dilaurate	CAS: 77-58-7 EC: 201-039-8	<ul style="list-style-type: none"> ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.5/2 Muta. 2 H341 ⚠ 3.7/1B Repr. 1B H360FD ⚠ 3.8/1 STOT SE 1 H370 ⚠ 3.2/1C Skin Corr. 1C H314 ⚠ 3.4.2/1 Skin Sens. 1 H317 ⚠ 3.9/1 STOT RE 1 H372 ⚠ 4.1/A1 Aquatic Acute 1 H400 ⚠ 4.1/C1 Aquatic Chronic 1 H410
960 ppm	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	Index number: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0	<ul style="list-style-type: none"> ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.2/2 Skin Irrit. 2 H315

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of Ingestion:

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

None

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

Treatment:

None

5. FIRE-FIGHTING 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.

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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

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.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

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

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
OEL 8h - 150 ppm
OEL short - 200 ppm
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
ACGIH - TWA: 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: H
EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin
HYDROCARBONS , C9, AROMATICS
TLV TWA - 100 mg/mq
cyclohexanone - CAS: 108-94-1
EU - TWA(8h): 40.8 mg/m³, 10 ppm - STEL: 81.6 mg/m³, 20 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - STEL: 50 ppm - Notes: Skin, A3 - Eye and URT irr
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
Dibutyltin dilaurate - CAS: 77-58-7
ACGIH - TWA: 0.10 mg/m³ - STEL: 0.20 mg/m³
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

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EU - TWA(8h): 98 mg/m³, 20 ppm - STEL: 246 mg/m³, 50 ppm - Notes: Skin
 ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr

DNEL Exposure Limit Values

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

Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation -
 Frequency: Short Term, systemic effects

Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation -
 Frequency: Short Term, local effects

Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects

Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation -
 Frequency: Long Term, local effects

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 153.5 mg/kg - Consumer: 54.8 mg/kg - Exposure: Human Dermal -
 Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
 effects

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Worker Industry: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal -
 Frequency: Long Term, systemic effects

Worker Industry: 150 mg/m³ - Consumer: 32 mg/m³ - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects

Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Consumer: 18 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 4.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 166 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local
 effects

Worker Industry: 20 ppm - Consumer: 67 mg/kg - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects

Worker Industry: 50 ppm - Consumer: 199 mg/kg - Exposure: Human Inhalation -
 Frequency: Short Term, local 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

Worker Industry: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term,
 systemic effects

Worker Industry: 2.35 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term,
 systemic effects

Worker Industry: 2.35 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term,
 systemic effects

Worker Industry: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term,
 systemic effects

Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic
 effects

Consumer: 0.58 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic
 effects

Consumer: 1.25 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic
 effects

Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic
 effects

Consumer: 0.58 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic
 effects

Dibutyltin dilaurate - CAS: 77-58-7

Worker Industry: 0.0700 mg/m³ - Frequency: Short Term, systemic effects

Worker Industry: 0.0100 mg/m³ - Frequency: Long Term, systemic effects

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

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Worker Industry: 44.5 mg/kg - Consumer: 89 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 Worker Industry: 426 ppm - Consumer: 135 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 13.4 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
 Worker Industry: 123 ppm - Consumer: 50 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 75 mg/kg - Consumer: 38 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 98 mg/m³ - Consumer: 49 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 3.2 mg/kg - Exposure: Human Oral - 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: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water sediments - Value: 0.0981 mg/kg

Target: Soil (agricultural) - Value: 0.0903 mg/kg - Notes: occasional release

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Air - Value: 0.635 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg

Target: Marine water sediments - Value: 0.329 mg/kg

Target: Marine water - Value: 0.0635 mg/l

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

Target: Fresh Water - Value: 304 mg/l

Target: Marine water - Value: 304 mg/l

Target: Microorganisms in sewage treatments - Value: 90 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

Target: Fresh Water - Value: 0.0022 mg/l

Target: Marine water - Value: 0.00022 mg/l

Target: Air - Value: 0.009 mg/l - Notes: saltuaria

Target: Marine water sediments - Value: 0.11 mg/kg

Target: Freshwater sediments - Value: 1.05 mg/kg

Target: Soil (agricultural) - Value: 0.21 mg/kg

Target: Microorganisms in sewage treatments - Value: 1 mg/l

Dibutyltin dilaurate - CAS: 77-58-7

Target: Fresh Water - Value: 0.000463 mg/l

Target: Marine water - Value: 0.00046 mg/l

Target: Freshwater sediments - Value: 0.0500 mg/kg

Target: Marine water sediments - Value: 0.00500 mg/kg

Target: Soil (agricultural) - Value: 0.0407 mg/kg

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Target: Fresh Water - Value: 8.8 mg/l

Target: Marine water - Value: 0.88 mg/l

Target: Microorganisms in sewage treatments - Value: 463 mg/l

Target: Freshwater sediments - Value: 34.6 mg/kg

Target: Marine water sediments - Value: 3.46 mg/kg

Target: Soil (agricultural) - Value: 3.13 mg/kg

Target: Air - Value: 9.1 mg/l

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

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No special precaution must be adopted for normal use.
 Protection for hands:
 Not needed for normal use.
 Respiratory protection:
 Use adequate protective respiratory equipment.
 Thermal Hazards:
 None
 Environmental exposure controls:
 None
 Appropriate engineering controls:
 None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	liquid transparent	--	--
Odour:	solvent	--	--
Odour threshold:	solvent	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	25 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	>1	--	--
Relative density:	1,02	--	--
Solubility in water:	none	--	--
Solubility in oil:	soluble	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--

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Viscosity:	25" FORD 4	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	none	--	--
Fat Solubility:	soluble	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.

It may catch fire on contact with powerful oxidising agents.

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.

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: LC50 - Route: Inhalation - Species: Rat > 21.2 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse 8532 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 5001 mg/kg

Test: LC50 - Route: Inhalation - Species: Mouse > 35.7 mg/l - Duration: 4h - Notes: 6 hours

h) STOT-single exposure:

Test: Eye Irritant Positive

Test: Skin Irritant Positive

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a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m³ - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

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

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 1880 mg/kg - Notes: bw

Test: LD50 - Route: Skin - Species: Rabbit 1500 mg/kg - Notes: bw

Test: LC50 - Route: Inhalation - Species: Rat > 400 ppm - Duration: 4h

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

a) acute toxicity:

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

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Mouse Positive - Source: OECD (L.G. 406)

e) germ cell mutagenicity:

Test: Mutagenesis No - Notes: TEST DI AMES

f) carcinogenicity:

Test: Carcinogenicity No

h) STOT-single exposure:

Test: SIRO_TOX GENERAL No

Dibutyltin dilaurate - CAS: 77-58-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 2071 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin Positive - Source: CAT. 1C

c) serious eye damage/irritation:

Test: Eye Irritant Positive - Source: CAT. 1

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin Positive - Source: CAT. 1

e) germ cell mutagenicity:

Test: Genotoxicity Yes

g) reproductive toxicity:

Test: Reproductive Toxicity Yes - Source: CAT. 1B - Notes: SPECIFIC EFFECT: CHARACTERISTIC SYNDROME OF OROPHARYNGEAL MALFORMATION

h) STOT-single exposure:

Test: SIRO_TOX GENERAL - Route: Oral Positive

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 1414 mg/kg - Notes: bw/day

Test: LD50 - Route: Skin - Species: Rabbit 3000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 10 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Skin Irritant Positive

c) serious eye damage/irritation:

Test: Eye Irritant Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization Negative

f) carcinogenicity:

Test: Carcinogenicity Negative - Notes: Test di Ames

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

LD (RAT) oral, 10770 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

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LD50 (RAT) oral. 8532 mg/Kg
 LD50 (RAT) derm. >5000 mg/kg
 cyclohexanone - CAS: 108-94-1
 LD50 (RAT) ORAL: 1620 MG/KG
 LD50 (RABBIT) SKIN: 1000 MG/KG
 LD50 (RAT) ORAL: 1536 MG/KG BW
 LD50 (RAT) SKIN 1 TIME: 948 MG/KG BW
 2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
 LD50 (RAT) SKIN: 1580 MG/KG

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.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Do not use when plants are in flower: the product is toxic for bees.

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 62 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 205 mg/l - Duration h: 48

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 180 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 380 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2000 mg/l - Duration h: 72

HYDROCARBONS , C9, AROMATICS

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9.22 mg/l - Duration h: 96

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 28 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1570 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae = 37 mg/l - Duration h: 48

Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7 - Index number: 607-176-00-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.8 mg/l

Endpoint: EC50 - Species: Daphnia = 3.8 mg/l

Dibutyltin dilaurate - CAS: 77-58-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 2 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.66 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 3.0 mg/l - Duration h: 72

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1490 mg/l - Duration h: 96

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Endpoint: EC50 - Species: Daphnia = 1700 mg/l - Duration h: 48

12.2. Persistence and degradability

None

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

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: 83 - Notes: 28 days

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

HYDROCARBONS , C9, AROMATICS

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

12.4. Mobility in soil

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Mobility in soil: Mobile - Test: N.A. N.A. - Duration h: N.A. - Notes: fast evaporating

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Mobility in soil: Mobile - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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

IATA-Shipping Name: PAINT

IMDG-Shipping Name: PAINT

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

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

14.5. Environmental hazards

ADR-Environmental Pollutant: No
 IMDG-Marine pollutant: No

14.6. Special precautions for user

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

15. REGULATORY INFORMATION

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Volatile Organic compounds - VOCs = 434.53 g/l

Volatile CMR substances = 0.02 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.28

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)

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.

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.
 EUH066 Repeated exposure may cause skin dryness or cracking.
 H411 Toxic to aquatic life with long lasting effects.

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H335 May cause respiratory irritation.
 H304 May be fatal if swallowed and enters airways.
 H332 Harmful if inhaled.
 H312 Harmful in contact with skin.
 H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H318 Causes serious eye damage.
 H341 Suspected of causing genetic defects.
 H360FD May damage fertility. May damage the unborn child.
 H370 Causes damage to organs.
 H314 Causes severe skin burns and eye damage.
 H372 Causes damage to organs through prolonged or repeated exposure if swallowed.
 H319 Causes serious eye irritation.
 H315 Causes skin irritation.

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 Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Muta. 2	3.5/2	Germ cell mutagenicity, Category 2
Repr. 1B	3.7/1B	Reproductive toxicity, Category 1B
STOT SE 1	3.8/1	Specific target organ toxicity - single exposure, Category 1
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
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

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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

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- 11. TOXICOLOGICAL INFORMATION
- 15. REGULATORY 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
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:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

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.