

Safety Data Sheet

CLEAR UHS-420

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 UHS-420
 Trade code: 6A.1.X60
 Product type and use: Car and industrial paint

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

Recommended use:
 industrial painting
 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.
 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.
 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.
 P233 Keep container tightly closed.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P273 Avoid release to the environment.
 P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

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Contains

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.
 2-hydroxyethyl methacrylate: 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
>= 15% - < 20%	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%	xylene [4]	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.9/2 STOT RE 2 H373 ⚠ 3.10/1 Asp. Tox. 1 H304
>= 5% - < 7%	heptan-2-one; methyl amyl ketone	Index number: 606-024-00-3 CAS: 110-43-0 EC: 203-767-1	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.1/4/Inhal Acute Tox. 4 H332
>= 3% - < 5%	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
>= 3% - < 5%	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%	ethyl 3- ethoxypropionate	CAS: 763-69-9	4.1/C4 Aquatic Chronic 4 H413
>= 1% -	ethylbenzene	Index 601-023-00-4	⚠ 2.6/2 Flam. Liq. 2 H225

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< 3%		number: CAS: EC:	100-41-4 202-849-4	<ul style="list-style-type: none"> ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.9/2 STOT RE 2 H373 ⚠ 3.10/1 Asp. Tox. 1 H304
>= 1% - < 3%	2-butoxyethyl acetate; butylglycol acetate	Index number: CAS: EC:	607-038-00-2 112-07-2 203-933-3	<ul style="list-style-type: none"> ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.1/4/Inhal Acute Tox. 4 H332
>= 0.5% - < 1%	Hydroxyphenyl- benzotriazole derivatives EC-No 400- 830-7	Index number: EC:	607-176-00-3 400-830-7	<ul style="list-style-type: none"> ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 4.1/C2 Aquatic Chronic 2 H411
>= 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%	2- dimethylaminoethanol; N,N- dimethylethanolamine	Index number: CAS: EC:	603-047-00-0 108-01-0 203-542-8	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/3/Inhal Acute Tox. 3 H331 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/1B Skin Corr. 1B H314
>= 0.1% - < 0.25%	2-hydroxyethyl methacrylate	Index number: CAS: EC:	607-124-00-X 868-77-9 212-782-2	<ul style="list-style-type: none"> ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
714 ppm	methyl methacrylate; methyl 2-methylprop-2- enoate; methyl 2- methylpropenoate	Index number: CAS: EC:	607-035-00-6 80-62-6 201-297-1	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
642 ppm	toluene	Index number: CAS: EC:	601-021-00-3 108-88-3 203-625-9	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.7/2 Repr. 2 H361d ⚠ 3.8/3 STOT SE 3 H336 ⚠ 3.9/2 STOT RE 2 H373 ⚠ 3.10/1 Asp. Tox. 1 H304
357 ppm	n-butyl acrylate	Index number: CAS: EC:	607-062-00-3 141-32-2 205-480-7	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317

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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.

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.

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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

xylene [4] - CAS: 1330-20-7

MAK - TWA: 100 ppm - STEL: 200 ppm - Notes: D, Skin

EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

heptan-2-one; methyl amyl ketone - CAS: 110-43-0

EU - TWA(8h): 238 mg/m³, 50 ppm - STEL: 475 mg/m³, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 50 ppm - Notes: Eye and skin irr

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

ethylbenzene - CAS: 100-41-4

EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

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

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

EU - TWA(8h): 50 ppm - STEL: 100 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: DSEN, A4 - URT and eye irr, body weight eff, pulm edema

toluene - CAS: 108-88-3

EU - TWA(8h): 192 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss

n-butyl acrylate - CAS: 141-32-2

EU - TWA(8h): 11 mg/m³, 2 ppm - STEL: 53 mg/m³, 10 ppm

ACGIH - TWA(8h): 2 ppm - Notes: DSEN, A4 - 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

xylene [4] - CAS: 1330-20-7

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Worker Industry: 289 mg/m³ - Consumer: 174 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Worker Industry: 289 mg/m³ - Consumer: 174 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 heptan-2-one; methyl amyl ketone - CAS: 110-43-0
 Worker Industry: 1516 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 54.27 SIRO₃ - Consumer: 23.32 SIRO₃ - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 394.25 mg/m³ - Consumer: 84.31 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 23.32 SIRO₃ - Exposure: Human Oral - Frequency: Long Term, systemic 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
 HYDROCARBONS , C₉, AROMATICS
 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

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

toluene - CAS: 108-88-3

Worker Industry: 192 mg/m³ - Consumer: 56.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 192 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 384 mg/kg - Consumer: 226 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: die

Worker Industry: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short 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

xylene [4] - CAS: 1330-20-7

Target: Marine water - Value: 0.327 mg/l

Target: Air - Value: 0.327 mg/l - Type of hazard: emissione saltuaria

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water sediments - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 mg/kg

heptan-2-one; methyl amyl ketone - CAS: 110-43-0

Target: Marine water - Value: 0.00982 mg/l

Target: Fresh Water - Value: 0.0982 mg/l

Target: Freshwater sediments - Value: 1.89 mg/kg

Target: Marine water sediments - Value: 0.189 mg/kg

Target: Soil (agricultural) - Value: 0.321 mg/kg

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

2-hydroxyethyl methacrylate - CAS: 868-77-9

Target: Soil (agricultural) - Value: 0.476 mg/kg

Target: Fresh Water - Value: 0.482 mg/l

Target: Marine water - Value: 0.482 mg/l

Target: Microorganisms in sewage treatments - Value: 10 mg/l

Target: Marine water sediments - Value: 3.79 mg/kg

Target: Marine water sediments - Value: 3.79 mg/kg

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toluene - CAS: 108-88-3

Target: Fresh Water - Value: 0.68 mg/l

Target: Marine water - Value: 0.68 mg/l

Target: Soil (agricultural) - Value: 2.89 mg/kg

Target: Freshwater sediments - Value: 16.39 mg/l

Target: Marine water sediments - Value: 16.39 mg/l

Target: Microorganisms in sewage treatments - Value: 13.61 mg/l

8.2. Exposure controls

Eye protection:

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

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Mask with filter "A" , brown colour

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:	Not Relevant	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	Not Relevant	--	--
Flash point:	25 ° C	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	>1	--	--
Relative density:	1.012 kg/l	--	--

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Solubility in water:	none	--	--
Solubility in oil:	soluble	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	Not Relevant	--	--
Viscosity:	50" FORD 4	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--

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

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- Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg
- xylene [4] - CAS: 1330-20-7
- a) acute toxicity:
 Test: LC50 - Route: Inhalation - Species: Rat 20 mg/l - Duration: 4h
 Test: LD50 - Route: Oral - Species: Mouse 5627 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 5000 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
- HYDROCARBONS , C9, AROMATICS
- 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
- ethylbenzene - CAS: 100-41-4
- a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit 5000 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat 4000 ppm - Duration: 4h
- 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
- 2-dimethylaminoethanol; N,N-dimethylethanolamine - CAS: 108-01-0
- a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
 Test: LD50 - Route: Skin - Species: Rat No
 Test: LC50 - Route: Inhalation - Species: Rat No
- 2-hydroxyethyl methacrylate - CAS: 868-77-9
- a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat = 5050 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg
- toluene - CAS: 108-88-3
- a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat 4328 mg/kg

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Test: LD50 - Route: Skin - Species: Rabbit 12124 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 5060 ppm - Duration: 4h

b) skin corrosion/irritation:

Test: Skin Irritant Positive

c) serious eye damage/irritation:

Test: Eye Irritant Positive

g) reproductive toxicity:

Test: Reproductive Toxicity Positive

i) STOT-repeated exposure:

Test: Ingestion Toxicity - Route: Oral Positive - Notes: sistema respiratorio, reni, fegato e cuore

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

LD (RAT) oral, 10770 mg/kg

xylene [4] - CAS: 1330-20-7

LD50 (RAT) ORAL: 5000 MG/KG

heptan-2-one; methyl amyl ketone - CAS: 110-43-0

LD50 (RAT) ORAL: 1670 MG/KG

LD50 (RABBIT) SKIN: 13 G/KG (13000 MG/KG)

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

LD50 (RAT) oral. 8532 mg/Kg

LD50 (RAT) derm. >5000 mg/kg

ethylbenzene - CAS: 100-41-4

LD50 (RAT) ORAL: 3500 MG/KG

LD50 (RAT) ORAL: 4710 MG/KG BW

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

xylene [4] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 73

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 73

Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Notes: 21g

Endpoint: NOEC - Species: Fish = 1.4 mg/l - Notes: 56g

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

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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

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a) Aquatic acute toxicity:

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

ethyl 3-ethoxypropionate - CAS: 763-69-9

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 470 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 116 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 50 mg/l - Duration h: 96

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 1.7 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 2.6 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 2 mg/l - Duration h: 48

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

2-hydroxyethyl methacrylate - CAS: 868-77-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 227 mg/l - Duration h: 96

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 12.5 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 433 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish = 12.6 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish = 28.2 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: EC50 - Species: Daphnia = 5.5 mg/l - Duration h: 48 - Notes: Daphnia magna

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

xylene [4] - CAS: 1330-20-7

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

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.

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.

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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

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

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.: 163 367 640E 650

ADR-Transport category (Tunnel restriction code): 3 (D/E)

IATA-Passenger Aircraft: 355

IATA-Subsidiary risks: -

IATA-Cargo Aircraft: 366

IATA-S.P.: A3 A72 A192

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.

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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 = 421.24 g/l

Volatile CMR substances = 0.01 %

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

Organic Carbon - C = 0.30

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.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

H304 May be fatal if swallowed and enters airways.

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

H225 Highly flammable liquid and vapour.

H373 May cause damage to organs through prolonged or repeated exposure.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H361d Suspected of damaging the unborn child.

H412 Harmful to aquatic life with long lasting effects.

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Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), 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. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
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 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:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

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1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
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

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