

Safety Data Sheet

UHS ACRYLIC DTM GLOSSY

Safety Data Sheet dated 15/12/2015, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: UHS ACRYLIC DTM GLOSSY

Trade code: 5J.1.K1

Product type and use: tintometric system

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

Competent person responsible for the safety data sheet:

matt@lusid.biz

1.4. Emergency telephone number

+33 (0)1 75 29 35 59

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. 1, 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

Symbols:



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, 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P312 Call a POISON CENTER/ doctor/if you feel unwell.
- P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

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Special Provisions:

None

Contains

n-butyl acetate

Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7

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.

dilaurato di dibutilstagno: 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

Other Hazards:

No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

N.A.

vPvB Substances: None - PBT Substances: None

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 EUH066
>= 3% - < 5%	heptan-2-one; methyl amyl ketone	Index number: CAS: EC: 606-024-00-3 110-43-0 203-767-1	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.1/4/Inhal Acute Tox. 4 H332
>= 1% - < 3%	2-methoxy-1-methylethyl acetate	Index number: CAS: EC: REACH No.: 607-195-00-7 108-65-6 203-603-9 01-2119475791-29	⚠ 2.6/3 Flam. Liq. 3 H226
>= 1% - < 3%	Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7	Index number: EC: 607-176-00-3 400-830-7	⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 4.1/C2 Aquatic Chronic 2 H411
>= 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	REACH No.: 01-2119491304-40	⚠ 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

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>= 0.25% - < 0.5%	xylene [4]	Index number: CAS: EC: REACH No.:	601-022-00-9 1330-20-7 215-535-7 01-2119488216-32	<ul style="list-style-type: none"> ⚠ 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
>= 0.1% - < 0.25%	dilaurato di dibutilstagno	CAS: EC: REACH No.:	77-58-7 201-039-8 01-2119496068-27	<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
>= 0.1% - < 0.25%	ethylbenzene	Index number: CAS: EC: REACH No.:	601-023-00-4 100-41-4 202-849-4 01-2119489370-35	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.9/2 STOT RE 2 H373 ⚠ 3.10/1 Asp. Tox. 1 H304
>= 0.1% - < 0.25%	2-hydroxyethyl methacrylate	Index number: CAS: EC: REACH No.:	607-124-00-X 868-77-9 212-782-2 01-2119490169-29	<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
180 ppm	butan-2-ol	Index number: CAS: EC:	603-127-00-5 78-92-2 201-158-5	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.8/3 STOT SE 3 H336

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 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

In case of accident or unwellness, seek medical advice immediately (show directions for use or

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safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

- 5.1. Extinguishing media
 - Suitable extinguishing media:
 - 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.
- 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

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- n-butyl acetate - CAS: 123-86-4
 ACGIH - LTE(8h): 150 ppm - STE: 200 ppm - Notes: Eye and URT irr
 OEL 8h - 150 ppm
 OEL short - 200 ppm
- heptan-2-one; methyl amyl ketone - CAS: 110-43-0
 EU - LTE(8h): 238 mg/m³, 50 ppm - STE: 475 mg/m³, 100 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 ACGIH - LTE(8h): 50 ppm - Notes: Eye and skin irr
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 ACGIH - LTE: 275 mg/m³, 50 ppm - STE: 550 mg/m³, 100 ppm - Notes: H
 EU - LTE(8h): 275 mg/m³, 50 ppm - STE: 550 mg/m³, 100 ppm - Notes: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
- xylene [4] - CAS: 1330-20-7
 MAK - LTE: 100 ppm - STE: 200 ppm - Notes: D, Skin
 EU - LTE(8h): 221 mg/m³, 50 ppm - STE: 442 mg/m³, 100 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 ACGIH - LTE(8h): 100 ppm - STE: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
- dilaurato di dibutilstagno - CAS: 77-58-7
 ACGIH - LTE: 0.10 mg/m³ - STE: 0.20 mg/m³
- ethylbenzene - CAS: 100-41-4
 EU - LTE(8h): 442 mg/m³, 100 ppm - STE: 884 mg/m³, 200 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 ACGIH - LTE(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair
- butan-2-ol - CAS: 78-92-2
 ACGIH - LTE(8h): 100 ppm - Notes: URT irr, CNS impair
- 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
- 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

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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

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

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

dilaurato di dibutilstagno - 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

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

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

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

dilaurato di dibutilstagno - CAS: 77-58-7

Target: Fresh Water - Value: 0.000463 mg/l

Target: Marine water - Value: 0.000046 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-hydroxyethyl methacrylate - CAS: 868-77-9

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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

8.2. Exposure controls

Provide adequate ventilation through good general extraction using local exhaust ventilation. If concentrations of solvent or vapor exceed the OEL value, you have to wear respiratory protection.

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:

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

Appearance and colour:	liquid white	
Odour:	solvent	
Odour threshold:	solvent	
pH:	N.A.	
Melting point / freezing point:	N.A.	
Initial boiling point and boiling range:	N.A.	
Solid/gas flammability:	N.A.	
Upper/lower flammability or explosive limits:		N.A.
Vapour density:	>1	
Flash point:	>23 ° C	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	1.04 KG/L	
Solubility in water:	none	
Solubility in oil:	soluble	
Partition coefficient (n-octanol/water):	N.A.	
Auto-ignition temperature:	N.A.	
Decomposition temperature:	N.A.	
Viscosity:	23" Ford 8+/-4"	
Explosive properties:	N.A.	
Oxidizing properties:	N.A.	

9.2. Other information

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

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- 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 mixture:

N.A.

Toxicological information of the main substances found in the mixture:

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 - Notes: 6 hours

h) STOT-single exposure:

Test: Eye Irritant Positive

Test: Skin Irritant Positive

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

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

dilaurato di dibutilstagno - 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

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- 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
- 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
- butan-2-ol - CAS: 78-92-2
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 6480 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 16000 mg/kg

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

LD (RAT) oral, 10770 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

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

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

a) Aquatic acute toxicity:

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Endpoint: LC50 - Species: Fish = 2.8 mg/l
 Endpoint: EC50 - Species: Daphnia = 3.8 mg/l

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

dilaurato di dibutilstagno - 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

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-hydroxyethyl methacrylate - CAS: 868-77-9

a) Aquatic acute toxicity:

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

butan-2-ol - CAS: 78-92-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 3670 mg/l - Duration h: 96 - Notes: pimephales
 promelas
 Endpoint: EC50 - Species: Daphnia = 3752 mg/l - Duration h: 24 - 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

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

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

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

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.

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

5J.1.K1/1

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- 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 640E 650
 ADR-Tunnel Restriction Code: (D/E)
 IATA-Passenger Aircraft: 355
 IATA-Subsidiary risks: -
 IATA-Cargo Aircraft: 366
 IATA-S.P.: A3 A72
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-E
 IMDG-Subsidiary risks: -
 IMDG-Storage category: Category A
 IMDG-Storage notes: -
- 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 = 343.91 g/l

Volatile CMR substances = 0.01 %

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

Organic Carbon - C = 0.21

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Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.

15.2. Chemical safety assessment

No

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.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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.

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.

H225 Highly flammable liquid and vapour.

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

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

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

CCNL - Appendix 1

Insert further consulted bibliography

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.