

Safety Data Sheet

ACRYLIC 2K GLOSS BINDER

Safety Data Sheet dated 9/6/2017, version 2

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

1.1. Product identifier

Mixture identification:
 Trade name: ACRYLIC 2K GLOSS BINDER
 Trade code: 5E.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
 +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, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

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.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

5E.1.K1/2

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe 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.

Special Provisions:

None

Contains

xylene [4]

HYDROCARBONS , C9, AROMATICS

2,3-epoxypropyl neodecanoate: 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%	xylene [4]	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7	<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
>= 15% - < 20%	HYDROCARBONS , C9, AROMATICS	EC: 918-668-5	<ul style="list-style-type: none"> ⚠ 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)*
>= 7% - < 10%	2-methoxy-1- methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226
>= 1% - < 3%	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4	<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
>= 1% -	n-butyl acetate	Index 607-025-00-1	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226

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< 3%		number: CAS: EC:	123-86-4 204-658-1	 3.8/3 STOT SE 3 H336 EUH066
>= 1% - < 3%	2-butoxyethyl acetate; butylglycol acetate	Index number: CAS: EC:	607-038-00-2 112-07-2 203-933-3	 3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Oral Acute Tox. 4 H302  3.1/4/Inhal Acute Tox. 4 H332
>= 0.1% - < 0.25%	2,3-epoxypropyl neodecanoate	CAS: EC:	26761-45-5 247-979-2	 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317  3.5/2 Muta. 2 H341  4.1/C2 Aquatic Chronic 2 H411
>= 0.1% - < 0.25%	2-methylpropan-1-ol	Index number: CAS: EC:	603-108-00-1 78-83-1 201-148-0	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  3.3/1 Eye Dam. 1 H318  3.8/3 STOT SE 3 H336
760 ppm	toluene	Index number: CAS: EC:	601-021-00-3 108-88-3 203-625-9	 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

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:
Water.
Carbon dioxide (CO₂).
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 .

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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 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 food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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

HYDROCARBONS , C9, AROMATICS

TLV TWA - 100 mg/mq

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

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

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

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

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OEL 8h - 150 ppm
 OEL short - 200 ppm

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

2-methylpropan-1-ol - CAS: 78-83-1
 ACGIH - TWA(8h): 50 ppm - Notes: Skin and eye irr

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

DNEL Exposure Limit Values

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

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-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

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-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

2,3-epoxypropyl neodecanoate - CAS: 26761-45-5
 Worker Industry: 1.4 mg/kg - Consumer: 0.7 mg/kg - Exposure: Human Dermal -
 Frequency: Long Term, systemic effects - Notes: die
 Worker Industry: 1.965 mg/m³ - Consumer: 1 mg/m³ - Exposure: Human Inhalation -
 Frequency: Long Term, systemic effects
 Consumer: 1.1 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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- Notes: die

2-methylpropan-1-ol - CAS: 78-83-1

Worker Industry: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 25 mg/kg - Exposure: Human Oral - 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

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

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

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-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

2,3-epoxypropyl neodecanoate - CAS: 26761-45-5

Target: Marine water - Value: 0.35 µg/l

Target: Fresh Water - Value: 0.0035 mg/l

Target: Microorganisms in sewage treatments - Value: 50 mg/l

2-methylpropan-1-ol - CAS: 78-83-1

Target: Marine water sediments - Value: 0.152 mg/kg

Target: Soil (agricultural) - Value: 0.0699 mg/kg

Target: Fresh Water - Value: 0.4 mg/l

Target: Marine water - Value: 0.04 mg/l

Target: Freshwater sediments - Value: 1.52 mg/kg - Notes: emissione saltuaria

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

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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 straw	--	--
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:	1.020 KG/L	--	--
Solubility in water:	none	--	--
Solubility in oil:	soluble	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--

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Decomposition temperature:	N.A.	--	--
Viscosity:	15" Ford 8+/- 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

None in particular.

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:

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

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

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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

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

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-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

2,3-epoxypropyl neodecanoate - CAS: 26761-45-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 9600 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 3800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 240 mg/m³ - Duration: 4h

b) skin corrosion/irritation:

Test: Eye Irritant - Species: Rabbit Negative

d) respiratory or skin sensitisation:

Test: Skin Sensitization Positive

e) germ cell mutagenicity:

Test: Mutagenesis - Species: Salmonella Typhimurium Positive

f) carcinogenicity:

Test: Carcinogenicity Negative

i) STOT-repeated exposure:

Test: SIRO_TOX GENERAL - Species: Rat Positive 5000 ppm

2-methylpropan-1-ol - CAS: 78-83-1

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 18.18 mg/l - Duration: 6H - Notes: 6h

Test: LD50 - Route: Oral - Species: Rat > 2460 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2460 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant Positive

c) serious eye damage/irritation:

Test: Eye Irritant Positive

toluene - CAS: 108-88-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 4328 mg/kg

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:

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Test: Reproductive Toxicity Positive

i) STOT-repeated exposure:

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

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

LD50 (RAT) ORAL: 5000 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

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

LD (RAT) oral, 10770 mg/kg

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.

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

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a) Aquatic acute toxicity:

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

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

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

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- Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96
 Endpoint: EC50 - Species: Daphnia = 2 mg/l - Duration h: 48
 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-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
 2,3-epoxypropyl neodecanoate - CAS: 26761-45-5
 a) Aquatic acute toxicity:
 Endpoint: EC50 - Species: Algae = 3.5 mg/l - Duration h: 96
 Endpoint: LC50 - Species: Fish = 5 mg/l - Duration h: 96
 Endpoint: EC50 - Species: Daphnia = 4.8 mg/l - Duration h: 48
 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
 xylene [4] - CAS: 1330-20-7
 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-methoxy-1-methylethyl acetate - CAS: 108-65-6
 Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.
 n-butyl acetate - CAS: 123-86-4
 Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: 83 - Notes: 28 days
 2,3-epoxypropyl neodecanoate - CAS: 26761-45-5
 Biodegradability: Non-readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.
 2-methylpropan-1-ol - CAS: 78-83-1
 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.
 2,3-epoxypropyl neodecanoate - CAS: 26761-45-5
 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

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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.

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.

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Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Volatile Organic compounds - VOCs = 478.27 g/l

Volatile CMR substances = 0.01 %

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

Organic Carbon - C = 0.37

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.

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.

H411 Toxic to aquatic life with long lasting effects.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

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

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.

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. 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

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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. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Muta. 2	3.5/2	Germ cell mutagenicity, Category 2
Repr. 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 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
- 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) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H335	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

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ACRYLIC 2K GLOSS BINDER

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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This MSDS cancels and replaces any preceding release.