

Safety Data Sheet

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: ACRYLIC DTM GLOSSY

Trade code: 6B.1.K1

Product type and use: industrial varnishing

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 Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

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

⚠ 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

Symbols:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

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

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.

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P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 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.
 P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

Special Provisions:

None

Contains

4,4'-Isopropylidene-diphenol, polymer reaction products with 1-chloro-2,3-epoxypropane:
 average molecular mass 850-1150
 xylene [4]

Reaction products of polymeric fatty acids and alcohols ethoxylated with diethylenetriamine and
 2,5-Furandione: May produce an allergic reaction.
 2,3-epoxypropyl neodecanoate: May produce an allergic reaction.

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

Restricted to professional users.

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
>= 10% - < 12.5%	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-2119475791-29	⚠ 2.6/3 Flam. Liq. 3 H226
>= 10% - < 12.5%	xylene [4]	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32	⚠ 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
>= 7% - < 10%	Solvent naphtha (petroleum), light arom.	Index number: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0 REACH No.: 01-2119455851-35	⚠ 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)*
>= 3% - < 5%	n-butyl acetate	Index number: 607-025-00-1	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336







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		CAS: EC: REACH No.:	123-86-4 204-658-1 01- 2119485493 -29	EUH066
>= 3% - < 5%	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
>= 3% - < 5%	4,4'-Isopropylidene-diphenol, polymer reaction products with 1-chloro-2,3-epoxypropane: average molecular mass 850-1150			<ul style="list-style-type: none"> ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
>= 1% - < 3%	2-butoxyethyl acetate; butylglycol acetate	Index number: CAS: EC: REACH No.:	607-038-00-2 112-07-2 203-933-3 01- 2119475112 -47	<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
>= 0.1% - < 0.25%	Reaction products of polymeric fatty acids and alcohols ethoxylated with diethylenetriamine and 2,5-Furandione	CAS:	1268617-32-8	<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%	2,3-epoxypropyl neodecanoate	CAS: EC: REACH No.:	26761-45-5 247-979-2 01- 2119431597 -33	<ul style="list-style-type: none"> ⚠ 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
720 ppm	2-methylpropan-1-ol	Index number: CAS: EC: REACH No.:	603-108-00-1 78-83-1 201-148-0 01- 2119484609 -23	<ul style="list-style-type: none"> ⚠ 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
560 ppm	toluene	Index number: CAS: EC: REACH No.:	601-021-00-3 108-88-3 203-625-9 01- 2119471310 -51	<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

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9 ppm	2,2'-iminodiethylamine; diethylenetriamine	Index number: CAS: EC: REACH No.:	612-058-00-X 111-40-0 203-865-4 01- 2119473793 -27	 3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Oral Acute Tox. 4 H302  3.1/2/Oral Acute Tox. 2 H300  3.2/1B Skin Corr. 1B H314  3.8/3 STOT SE 3 H335  3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
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*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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 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.

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6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures
 Wear personal protection equipment.
 Remove all sources of ignition.
 Wear breathing apparatus if exposed to vapours/dusts/aerosols.
 Provide adequate ventilation.
 Use appropriate respiratory protection.
 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.
 Use localized ventilation system.
 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
 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
- Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6
 TLV TWA - 100 mg/m³
- n-butyl acetate - CAS: 123-86-4

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- ACGIH - LTE(8h): 150 ppm - STE: 200 ppm - Notes: Eye and URT irr
 OEL 8h - 150 ppm
 OEL short - 200 ppm
- 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
- 2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
 EU - LTE(8h): 133 mg/m³, 20 ppm - STE: 333 mg/m³, 50 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 - Hemolysis
- 2-methylpropan-1-ol - CAS: 78-83-1
 ACGIH - LTE(8h): 50 ppm - Notes: Skin and eye irr
- toluene - CAS: 108-88-3
 EU - LTE(8h): 192 mg/m³, 50 ppm - STE: 384 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): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss
- 2,2'-iminodiethylamine; diethylenetriamine - CAS: 111-40-0
 ACGIH - LTE(8h): 1 ppm - Notes: Skin - URT and eye irr
- DNEL Exposure Limit Values**
- 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
- 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
- Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6
 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
- 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

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- 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 - 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**
- 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
- 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
- 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 ug/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

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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: emisionne 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

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 gray	
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:	25 ° C	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	1.23 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:	12" ford 8	
Explosive properties:	N.A.	
Oxidizing properties:	N.A.	

9.2. Other information

Miscibility:	none
Fat Solubility:	soluble
Conductivity:	N.A.

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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 mixture:
 - N.A.
 - Toxicological information of the main substances found in the mixture:
 - 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
 - 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
 - Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m³ - Duration: 4h
 - Test: LD50 - Route: Oral - Species: Rat 10.2 mg/l
 - Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg
 - 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
 - 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
 - 4,4'-Isopropylidene-diphenol, polymer reaction products with 1-chloro-2,3-epoxypropane:
 - average molecular mass 850-1150
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
 - 2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

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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 - Notes: 6h
 Test: LD50 - Route: Oral - Species: Rat > 2830 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 2000 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:

Test: Reproductive Toxicity Positive

i) STOT-repeated exposure:

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

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

LD50 (RAT) oral. 8532 mg/Kg

LD50 (RAT) derm. >5000 mg/kg

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

LD50 (RAT) ORAL: 5000 MG/KG

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

LD (RAT) oral, 10770 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;

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- 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.

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

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

Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6

a) Aquatic acute toxicity:

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

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

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

Reaction products of polymeric fatty acids and alcohols ethoxylated with diethylenetriamine and 2,5-Furandione - CAS: 1268617-32-8

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.9 mg/l - Duration h: 72

Endpoint: LC50 - Species: Daphnia = 0.9 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.9 mg/l - Duration h: 96

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

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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

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.

Solvent naphtha (petroleum), light arom. - CAS: 64742-95-6

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

None

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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

14. TRANSPORT INFORMATION



14.1. UN number

ADR-UN Number: 1263

IATA-UN Number: 1263

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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 = 479.24 g/l

Volatile CMR substances = 0.02 %

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

Organic Carbon - C = 0.29

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.

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15.2. Chemical safety assessment
No

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.
- H317 May cause an allergic skin reaction.
- H302 Harmful if swallowed.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H341 Suspected of causing genetic defects.
- H318 Causes serious eye damage.
- H361d Suspected of damaging the unborn child.
- H300 Fatal if swallowed.
- H314 Causes severe skin burns and eye damage.

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.