

Safety Data Sheet

BLACK

Safety Data Sheet dated 26/1/2018, version 5

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

1.1. Product identifier

Mixture identification:

Trade name: BLACK

Trade code: 0H4.028

Product type and use: tintometric system

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

Recommended use:

Tintometric system

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:

info@lusid.biz

1.4. Emergency telephone number

info@lusid.biz

Emergency US – 1-800-535-5053 Outside US - +1-352-323-3500 InfoTrac Contract # 89244

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.

⚠ Warning, STOT SE 3, May cause respiratory irritation.

⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

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P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

Mixture of: butan-2-one oxime: 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
>= 12.5% - < 15%	HYDROCARBONS , C9, AROMATICS	EC: 918-668-5 REACH No.: 01- 2119455851 -35	<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)*
>= 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	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226
>= 7% - < 10%	xylene [4]	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 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
>= 7% - < 10%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01- 2119485493 -29	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336 EUH066
>= 0.5% - < 1%	ethylbenzene	Index number: 601-023-00-4	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.1/4/Inhal Acute Tox. 4 H332

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		CAS: 100-41-4 EC: 202-849-4 REACH No.: 01-2119489370-35	<ul style="list-style-type: none"> ⚠ 3.9/2 STOT RE 2 H373 ⚠ 3.10/1 Asp. Tox. 1 H304 4.1/C3 Aquatic Chronic 3 H412
>= 0.5% - < 1%	Mixture of: butan-2-one oxime	Index number: 616-014-00-0 CAS: 96-29-7 EC: 202-496-6 REACH No.: 01-2119539477-28	<ul style="list-style-type: none"> ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 3.6/2 Carc. 2 H351
>= 0.1% - < 0.25%	butan-2-ol	Index number: 603-127-00-5 CAS: 78-92-2 EC: 201-158-5 REACH No.: 01-2119475146-36	<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
500 ppm	phthalic anhydride	Index number: 607-009-00-4 CAS: 85-44-9 EC: 201-607-5 REACH No.: 01-2119457017-41	<ul style="list-style-type: none"> ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.1/1-1A-1B Resp. Sens. 1,1A, 1B H334 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 3.1/4/Oral Acute Tox. 4 H302
64 ppm	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 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

*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.

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In case of eyes contact:

In case of Ingestion:

In case of Inhalation:

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:

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

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.

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- 7.2. Conditions for safe storage, including any incompatibilities
 Always keep in a well ventilated place.
 Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 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
 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
 OEL - TWA: 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm
 xylene [4] - CAS: 1330-20-7
 MAK - TWA: 100 ppm - STEL: 200 ppm - Notes: D, Skin
 EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
 ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
 n-butyl acetate - CAS: 123-86-4
 ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
 OEL 8h - 150 ppm
 OEL short - 200 ppm
 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
 butan-2-ol - CAS: 78-92-2
 ACGIH - TWA(8h): 100 ppm - Notes: URT irr, CNS impair
 phthalic anhydride - CAS: 85-44-9
 ACGIH - TWA(8h): 0.002 mg/m³ - STEL: 0.005 mg/m³ - Notes: (IFV), Skin, DSEN, RSEN, A4 - Resp sens, asthma
 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
- DNEL Exposure Limit Values
 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

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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

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

phthalic anhydride - CAS: 85-44-9

Consumer: 5 mg/kg - Exposure: Human Dermal - Notes: die

Worker Professional: 32.2 mg/kg - Consumer: 8.6 mg/kg - Exposure: Human Inhalation - Notes: die

Consumer: 5 mg/kg

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: emission 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

phthalic anhydride - CAS: 85-44-9

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

Target: Soil (agricultural) - Value: 0.153 mg/kg

Target: Fresh Water - Value: 5.6 mg/l

Target: Marine water sediments - Value: 0.0826 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:

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:

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Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
 Use respiratory protection where ventilation is insufficient or exposure is prolonged.
 Use adequate protective respiratory equipment.

Thermal Hazards:
 None

Environmental exposure controls:
 None

Appropriate engineering controls:
 None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	liquid black	--	--
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:	1.05	--	--
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:	35" FORD4	--	--

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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

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

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

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

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

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

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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

Mixture of: butan-2-one oxime - CAS: 96-29-7

a) acute toxicity:
 Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 4h
 Test: LD50 - Route: Oral - Species: Rat = 2528 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 1000 mg/kg

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 48.5 mg/l - Duration: 4h
 Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

phthalic anhydride - CAS: 85-44-9

a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat = 1530 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 10000 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat > 210 mg/m³ - Duration: 1h

ethylbenzene - CAS: 100-41-4

a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit 5000 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat 4000 ppm - Duration: 4h

2-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

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.

HYDROCARBONS , C9, AROMATICS

a) Aquatic acute toxicity:

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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

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

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

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

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

12.2. Persistence and degradability

None

HYDROCARBONS , C9, AROMATICS

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

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

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

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

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

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

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

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

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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
 IMDG-UN Number: 1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT or PAINT RELATED MATERIAL
 IATA-Shipping Name: PAINT or PAINT RELATED MATERIAL
 IMDG-Shipping Name: PAINT or PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR-Class: 3
 ADR - Hazard identification number: 30
 IATA-Class: 3
 IATA-Label: Flamm. Liquid
 IMDG-Class: 3

14.4. Packing group

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

14.5. Environmental hazards

IMDG-Marine pollutant: No

14.6. Special precautions for user

ADR-S.P.: 640E
 ADR-Transport category (Tunnel restriction code): (D/E)
 IATA-Passenger Aircraft: 309
 IATA-Cargo Aircraft: 310
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-E
 IMDG-Stowage and handling: A

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 = 447.81 g/l

Volatile CMR substances = 0.02 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.50 %

Organic Carbon - C = 0.31

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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.
H411 Toxic to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
H225 Highly flammable liquid and vapour.
H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302 Harmful if swallowed.

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
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
Resp. Sens. 1,1A,1B	3.4.1/1-1A-1B	Respiratory Sensitisation, Category 1,1A,1B

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Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Carc. 2	3.6/2	Carcinogenicity, 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:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 13. DISPOSAL CONSIDERATIONS
- 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
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

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

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.