



Safety Data Sheet

BV LEMON YELLOW

Safety Data Sheet dated 12/10/2021, version 1

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

1.1. Product identifier

Mixture identification:
Trade name: BV LEMON YELLOW
Trade code: T204
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:

Liquid Specialty Coatings 176 New Highway N. Amityville, NY 11701

Competent person responsible for the safety data sheet:

Phone: (516)736-3476

1.4. Emergency telephone number

CHEMTREC

US – 1-800-424-9300 Outside US - +1-703-527-3887 Contract # 994348

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 drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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.



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P312 Call a POISON CENTER/doctor/... if you feel unwell.
 P370+P378 In case of fire: Use ... to extinguish.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH208 Contains butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime. May produce an allergic reaction.

Contains

n-butyl acetate
 2-methoxy-1-methylethyl acetate

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
>= 10% - < 12.5%	n-butyl acetate	Index number: CAS: EC: REACH No.: 607-025-00-1 123-86-4 204-658-1 01-2119485493-29	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336
>= 10% - < 12.5%	2-methoxy-1-methylethyl acetate	CAS: EC: 108-65-6 203-603-9	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336
>= 7% - < 10%	xylene [4]	Index number: CAS: EC: REACH No.: 601-022-00-9 1330-20-7 215-535-7 01-2119488216-32	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.9/2 STOT RE 2 H373 ⚠ 3.10/1 Asp. Tox. 1 H304
>= 0.1% - < 0.25%	butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	Index number: CAS: EC: REACH No.: 616-014-00-0 96-29-7 202-496-6 01-2119539477-28	⚠ 3.6/2 Carc. 2 H351 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1 Skin Sens. 1 H317
800 ppb	2-methyl-m-phenylene diisocyanate; toluene-	Index number: 615-006-00-4	⚠ 3.6/2 Carc. 2 H351



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	2,4-di-isocyanate;	CAS: 584-84-9 EC: 209-544-5 REACH No.: 01-2119486974-18	◇ 3.3/2 Eye Irrit. 2 H319 ◇ 3.8/3 STOT SE 3 H335 ◇ 3.2/2 Skin Irrit. 2 H315 ◇ 3.4.1/1-1A-1B Resp. Sens. 1,1A, 1B H334 ◇ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 4.1/C3 Aquatic Chronic 3 H412 ◇ 3.1/2/Inhal Acute Tox. 2 H330 Specific Concentration Limits: C >= 0,1%: Resp. Sens. 1,1A,1B H334
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4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of Ingestion:

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire: Use ... to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

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

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

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.



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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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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

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

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

EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm

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

2-methyl-m-phenylene diisocyanate; toluene-2,4-di-isocyanate; - CAS: 584-84-9

ACGIH - TWA(8h): 0.001 ppm - STEL: 0.005 ppm - Notes: (IFV), Skin, DSEN, RSEN,

A3, BEI - Asthma, pulm func, eye irr

DNEL Exposure Limit Values

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

Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation -



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Frequency: Short Term, local effects
Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation -
Frequency: Long Term, local effects
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Worker Industry: 153.5 mg/kg - Consumer: 54.8 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Industry: 275 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects
Consumer: 500 mg/kg bw/day - Exposure: Human Oral - Frequency: Short 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
2-methyl-m-phenylene diisocyanate; toluene-2,4-di-isocyanate; - CAS: 584-84-9
Worker Industry: 0.14 ppm - Exposure: Human Inhalation - Frequency: Short Term,
systemic effects
Worker Industry: 0.14 ppm - Exposure: Human Inhalation - Frequency: Short Term, local
effects
Worker Industry: 0.035 ppm - Exposure: Human Inhalation - Frequency: Long Term,
systemic effects
Worker Industry: 0.035 ppm - Exposure: Human Inhalation - Frequency: Long Term, local
effects
PNEC Exposure Limit Values
n-butyl acetate - CAS: 123-86-4
Target: Fresh Water - Value: 0.18 mg/l
Target: Marine water - Value: 0.018 mg/l
Target: Freshwater sediments - Value: 0.981 mg/kg
Target: Marine water sediments - Value: 0.0981 mg/kg
Target: Soil (agricultural) - Value: 0.0903 mg/kg - Notes: occasional release
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Target: Air - Value: 0.635 mg/l
Target: Microorganisms in sewage treatments - Value: 100 mg/l
Target: Freshwater sediments - Value: 3.29 mg/kg
Target: Marine water sediments - Value: 0.329 mg/kg
Target: Marine water - Value: 0.0635 mg/l
Target: 10 - Value: 6.35 mg/l
Target: Microorganisms in sewage treatments - Value: 100 mg/l
Target: 11 - Value: 0.29 SIRO₂
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
Target: Fresh Water - Value: 0.327 mg/l
Target: Microorganisms in sewage treatments - Value: 6.58 mg/l
2-methyl-m-phenylene diisocyanate; toluene-2,4-di-isocyanate; - CAS: 584-84-9
Target: Fresh Water - Value: 0.013 mg/l
Target: Marine water - Value: 0.00125 mg/l



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Target: Soil (agricultural) - Value: 1.1 mg/kg - Notes: peso secco

Target: Microorganisms in sewage treatments - Value: 1.1 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:

NBR (nitrile rubber).

Respiratory protection:

Mask with filter "A" , brown colour

Mask FFP1D (OV) short exposure and vapor <TLV (EN 149)

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 yellow	--	--
Odour:	solvent	--	--
Odour threshold:	solvent	--	--
pH:	Not Relevant	--	--
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:	1.51	--	--



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Solubility in water:	none	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	10" Ford8	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.

It may catch fire on contact with powerful oxidising agents.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

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

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 21.2 mg/l - Duration: 4h



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Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg
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 26 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Mouse 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 4350 mg/kg
butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone 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
2-methyl-m-phenylene diisocyanate; toluene-2,4-di-isocyanate; - CAS: 584-84-9
h) STOT-single exposure:
Test: Respiratory Tract Irritant - Route: Inhalation Positive
i) STOT-repeated exposure:
Test: Respiratory Tract Irritant - Route: Inhalation Negative
n-butyl acetate - CAS: 123-86-4
LD (RAT) oral, 10770 mg/kg
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

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Do not use when plants are in flower: the product is toxic for bees.

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 62 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 205 mg/l - Duration h: 48

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

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- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 180 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 380 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 2000 mg/l - Duration h: 72
- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336
- 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
- butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime - CAS: 96-29-7
- G:
Endpoint: LC50 - Species: Fish 560 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia 750 mg/l - Duration h: 48
- 12.2. Persistence and degradability
None
n-butyl acetate - CAS: 123-86-4
Biodegradability: Easily biodegradable - %: 83 - Notes: 28 days
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Biodegradability: Easily biodegradable
xylene [4] - CAS: 1330-20-7
Biodegradability: Easily biodegradable
- 12.3. Bioaccumulative potential
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Bioaccumulation: Bioaccumulative - Test: Kow - Partition coefficient 1.2
- 12.4. Mobility in soil
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Mobility in soil: Mobile - 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
IMDG-UN Number: 1263
- 14.2. UN proper shipping name
ADR-Shipping Name: PAINT
IATA-Shipping Name: PAINT



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IMDG-Shipping Name:	PAINT
14.3. Transport hazard class(es)	
ADR-Class:	3
ADR-Label:	3
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	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	
Rail (RID):	PAINT
ADR-Subsidiary hazards:	-
ADR-S.P.:	163 367 650
ADR-Transport category (Tunnel restriction code):	3 (D/E)
IATA-Passenger Aircraft:	355
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary hazards:	-
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. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3
Restriction 40

Restrictions related to the substances contained:

Restriction 74
Restriction 75

Volatile Organic compounds - VOCs = 442.43 g/l

Volatile CMR substances = 0.02 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.20 %

Organic Carbon - C = 0.19

Where applicable, refer to the following regulatory provisions :

T204/1

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Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P5c

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

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.

H304 May be fatal if swallowed and enters airways.

H351 Suspected of causing cancer.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H330 Fatal if inhaled.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), 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
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
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



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STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

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, H336	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.