

Safety Data Sheet

WRAPPER



Safety Data Sheet dated 24/4/2019, version 3 24/4/2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier
Mixture identification:
Trade name: WRAPPER
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Spray Paint
- 1.3. Details of the supplier of the safety data sheet
Company:
COLORPACK s.r.l.
Via B.Cellini 26
20020 Solaro
Milano - Italia
Fax +39 029691714 Tel.+39 029690664 (8.30-17.00 from monday to friday)
Web site: www.colorpack.com E-mail: info@colorpack.com
Competent person responsible for the safety data sheet:
m.franzoni@colorpack.com
- 1.4. Emergency telephone number
COLORPACK s.r.l. Tel.+39 029690664 (8.30-17.00 from monday to friday)
Centro Antiveleni - Milano - A.O. Ospedale Niguarda Ca' Granda - Tel. 02-66101029
Centro Antiveleni - Bergamo - A.O. Papa Giovanni XXIII - Tel. 800-883300
Centro Antiveleni - Pavia - IRCCS Fondazione Maugeri - Tel. 0382-24444
Centro Antiveleni - Roma - Policlinico "A. Gemelli" - Tel. 06-3054343
Centro Antiveleni - Roma - Policlinico "Umberto I" - Tel. 06-49978000
Centro Antiveleni pediatrico - Roma - Ospedale Pediatrico Bambino Gesù - Tel. 06-68593726
Centro Antiveleni - Napoli - A.O. di Rilievo Nazionale "A.Cardarelli" - Tel. 081-5453333
Centro Antiveleni - Firenze - A.O. "Careggi" U.O. Tossicologia Medica - Tel. 055-7947819
Centro Antiveleni - Foggia - A.O. Universitaria - Tel. 0881-732326

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
- ⚠ Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.
 - ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
 - ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
 - ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
 - ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.
 - ⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.
 - ⚠ --Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.
- (This mixture is classified H304 Asp.Tox.1. For label elements see section 1.3.3. Annex I CLP)

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

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Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

PACK2 The packing must have tactile indications of danger for blind people.

Contains

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
n-butyl acetate
xylene (mixture of isomers)
N,N-1,6-Hexanediylbis[12-hydroxyoctadecanamide]: 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:

>= 30% - < 40% Hydrocarbons, C3-4; Petroleum gas

REACH No.: 01-2119486557-22, Index number: 649-199-00-9, CAS: 68476-40-4, EC:
270-681-9

⚠ 2.2/1 Flam. Gas 1 H220

⚠ 2.5/L Press. Gas (Liq.) H280

DECLK (CLP)*

>= 25% - < 30% Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

REACH No.: 01-2119473851-33, EC: 920-750-0

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.8/3 STOT SE 3 H336

⚠ 4.1/C2 Aquatic Chronic 2 H411

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>= 15% - < 20% xylene (mixture of isomers)

REACH No.: 01-2119488216-32, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.10/1 Asp. Tox. 1 H304
- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.9/2 STOT RE 2 H373
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332
- ⚠ 4.1/C3 Aquatic Chronic 3 H412

>= 5% - < 7% n-butyl acetate

REACH No.: 01-2119485493-29, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1

- ⚠ 2.6/3 Flam. Liq. 3 H226
 - ⚠ 3.8/3 STOT SE 3 H336
- EUH066

>= 0.25% - < 0.5% N,N-1,6-Hexanediybis[12-hydroxyoctadecanamide]

REACH No.: 01-0000018057-71, CAS: 55349-01-4, EC: 434-430-9

- ⚠ 3.4.2/1B Skin Sens. 1B H317
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.25% - < 0.5% ethanol; ethyl alcohol

Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6

- ⚠ 2.6/2 Flam. Liq. 2 H225
- ⚠ 3.3/2 Eye Irrit. 2 H319

>= 0.1% - < 0.25% ethylbenzene

REACH No.: 01-2119489370-35, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4

- ⚠ 2.6/2 Flam. Liq. 2 H225
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332
- ⚠ 3.9/2 STOT RE 2 H373
- ⚠ 3.10/1 Asp. Tox. 1 H304

>= 0.1% - < 0.25% 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29, Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.8/3 STOT SE 3 H336

525 ppm propan-2-ol; isopropyl alcohol; isopropanol

REACH No.: 01-2119457558-25, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

- ⚠ 2.6/2 Flam. Liq. 2 H225
- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.8/3 STOT SE 3 H336

69 ppm Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha

REACH No.: 01-2119471991-29, Index number: 649-275-00-4, CAS: 64741-65-7, EC: 265-067-2

- ⚠ 2.6/3 Flam. Liq. 3 H226
 - ⚠ 3.10/1 Asp. Tox. 1 H304
 - ⚠ 4.1/C2 Aquatic Chronic 2 H411
- DECLP (CLP)*

*DECLK (CLP): Substance classified in accordance with Note K, 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 1,3-butadiene (Einecs No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403

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should apply. This note applies only to certain complex oil-derived substances in Part 3.

*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 shall apply. This note applies only to certain complex oil-derived substances in Part 3.

SECTION 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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

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.

Combustion may liberate toxic or very toxic gases. Do not breathe fumes.

5.3. Advice for firefighters

The heat provokes an increase of the pressure inside the container with danger of burst. In case of fire the aerosols bursting can be projected to distance with violence, with risk of propagation of the fire.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 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

Vapours are more weighty than air. Vapours may form explosive mixture with air.
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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4

EU - TWA(8h): 1000 ppm

ACGIH - TWA(8h): 1000 ppm

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

TLV - TWA: 1200 mg/m³, 260 ppm

xylene (mixture of isomers) - CAS: 1330-20-7

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

MAK - TWA(8h): 435 mg/m³, 100 ppm - STEL: 870 mg/m³, 200 ppm - Notes: CH - SWISS

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

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

MAK - TWA(8h): 480 mg/m³, 100 ppm - STEL: 960 mg/m³, 200 ppm - Notes:

GERMANY

GVI - TWA(8h): 724 mg/m³, 150 ppm - STEL: 966 mg/m³, 200 ppm - Notes: CROATIA

VLA - TWA(8h): 724 mg/m³, 150 ppm - STEL: 965 mg/m³, 200 ppm - Notes: SPAIN

TLV - TWA(8h): 950 mg/m³ - STEL: 1200 mg/m³ - Notes: CZECH REPUBLIC

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VLEP - TWA(8h): 710 mg/m³, 150 ppm - STEL: 940 mg/m³, 200 ppm - Notes: FRANCE
National - TWA(8h): 724 mg/m³, 150 ppm - STEL: 966 mg/m³, 200 ppm - Notes:
UNITED KINGDOM
MAK - TWA(8h): 480 mg/m³, 100 ppm - STEL: 960 mg/m³, 200 ppm - Notes: SWISS
ethanol; ethyl alcohol - CAS: 64-17-5
ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr
MAK - TWA(8h): 960 mg/m³, 500 ppm - STEL: 1920 mg/m³, 1000 ppm - Notes: SWISS
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
MAK - TWA(8h): 220 mg/m³, 50 ppm - STEL: 220 mg/m³, 50 ppm - Notes: SWISS
National - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes:
CROATIA - K (Skin)
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin
MAK - TWA(8h): 275 mg/m³, 50 ppm - STEL: 275 mg/m³, 50 ppm - Notes: SWISS
MAK - TWA(8h): 270 mg/m³, 50 ppm - STEL: 270 mg/m³, 50 ppm - Notes: GERMANY
National - TWA(8h): 274 mg/m³, 50 ppm - STEL: 548 mg/m³, 100 ppm - Notes: GREAT
BRITAIN
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS
impair
MAK - TWA(8h): 500 mg/m³, 200 ppm - STEL: 1000 mg/m³, 400 ppm - Notes: SWISS
GVI - TWA(8h): 999 mg/m³, 400 ppm - STEL: 1250 mg/m³, 500 ppm - Notes: CROATIA
VLA - TWA(8h): 500 mg/m³, 200 ppm - STEL: 1000 mg/m³, 440 ppm - Notes: SPAIN -
VLB, s
TLV - TWA(8h): 500 mg/m³ - STEL: 1000 mg/m³ - Notes: CZECH REPUBLIC
MAK - TWA(8h): 500 mg/m³, 200 ppm - STEL: 1000 mg/m³, 400 ppm - Notes:
GERMANY
VLEP - STEL: 980 mg/m³, 400 ppm - Notes: FRANCE
National - TWA(8h): 999 mg/m³, 400 ppm - STEL: 1250 mg/m³, 500 ppm - Notes:
UNITED KINGDOM
DNEL Exposure Limit Values
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
Worker Professional: 773 mg/kg - Consumer: 669 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Professional: 2035 mg/m³ - Consumer: 608 mg/m³ - Exposure: Human
Inhalation - Frequency: Long Term, systemic effects
Consumer: 699 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
xylene (mixture of isomers) - CAS: 1330-20-7
Worker Industry: 289 mg/m³ - Worker Professional: 289 mg/m³ - Consumer: 174 mg/m³
- Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Consumer: 108 mg/kg -
Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 77 mg/m³ - Worker Professional: 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
n-butyl acetate - CAS: 123-86-4
Worker Industry: 960 mg/m³ - Worker Professional: 960 mg/m³ - Consumer: 859.7
mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 480 mg/m³ - Worker Professional: 480 mg/m³ - Consumer: 102.34
mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 7 mg/kg - Worker Professional: 7 mg/kg - Consumer: 3.4 mg/kg -
Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 3.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
N,N-1,6-Hexanediylbis[12-hydroxyoctadecanamide] - CAS: 55349-01-4
Worker Professional: 3.3 mg/kg - Exposure: Human Dermal - Frequency: Long Term

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(repeated)

ethanol; ethyl alcohol - CAS: 64-17-5

Worker Industry: 950 mg/m³ - Worker Professional: 950 mg/m³ - Consumer: 114 mg/m³
- Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg - Worker Professional: 343 mg/kg - Consumer: 206 mg/kg -
Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 87 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 1900 mg/m³ - Worker Professional: 1900 mg/m³ - Consumer: 950
mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

ethylbenzene - CAS: 100-41-4

Worker Industry: 77 mg/m³ - Worker Professional: 77 mg/m³ - Consumer: 15 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 293 mg/m³ - Worker Professional: 293 mg/m³ - Exposure: Human
Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Exposure: Human
Dermal - Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m³ - Worker Professional: 275 mg/m³ - Consumer: 33 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 796 mg/kg - Worker Professional: 796 mg/kg - Consumer: 320 mg/kg -
Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 550 mg/m³ - Worker Professional: 550 mg/m³ - Exposure: Human
Inhalation - Frequency: Short Term, local effects

Consumer: 500 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic
effects

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Worker Industry: 500 mg/m³ - Worker Professional: 500 mg/m³ - Consumer: 89 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 888 mg/kg - Worker Professional: 888 mg/kg - Consumer: 319 mg/kg -
Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

xylene (mixture of isomers) - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water sediments - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 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

ethanol; ethyl alcohol - CAS: 64-17-5

Target: Fresh Water - Value: 0.96 mg/l

Target: Marine water - Value: 0.79 mg/l

Target: Soil (agricultural) - Value: 0.63 mg/kg

Target: Freshwater sediments - Value: 3.6 mg/kg

ethylbenzene - CAS: 100-41-4

Target: Fresh Water - Value: 0.1 mg/l

Target: Marine water - Value: 0.01 mg/l

Target: Freshwater sediments - Value: 13.7 mg/kg

Target: Marine water sediments - Value: 1.37 mg/kg

Target: Soil (agricultural) - Value: 2.68 mg/kg

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

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Target: Fresh Water - Value: 0.635 mg/l
 Target: Freshwater sediments - Value: 3.29 mg/kg
 Target: Marine water sediments - Value: 0.329 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 Target: Food chain - Value: 160 mg/kg
 Target: Fresh Water - Value: 140.9 mg/l
 Target: Marine water - Value: 140.9 mg/l
 Target: Freshwater sediments - Value: 552 mg/kg
 Target: Soil (agricultural) - Value: 28 mg/kg
 Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha - CAS: 64741-65-7
 Target: Fresh Water - Value: 0.095 mg/l
 Target: Marine water - Value: 0.095 mg/l
 Target: Freshwater sediments - Value: 18 mg/kg
 Target: Marine water sediments - Value: 1.8 mg/kg
 Target: Soil (agricultural) - Value: 99 mg/kg

8.2. Exposure controls

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:

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

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Aerosol	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	< 0 °C	--	--
Evaporation rate:	N.A.	--	--
Gas flammability:	<- 60 °C	--	--

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Upper/lower flammability or explosive limits:	1.8 ÷ 9.5 % Vol.	--	--
Vapour pressure:	4.5 bar +/- 0.5 20 °C	--	--
Vapour density:	>1 (air=1)	--	--
Relative density:	0.68 +/- 0.05	--	--
Solubility in water:	Partially soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>400 °C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	<20.5 mm ² /s	--	--
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.	--	--
Deformation Pressure:	15 bar	--	--
Explosion Pressure:	16 ÷ 20 bar	--	--
Volatile organic compounds - VOC	610 g/l	--	--
Volatile organic compounds - VOC	90 %	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

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- Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

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- a) acute toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
- b) skin corrosion/irritation
 - The product is classified: Skin Irrit. 2 H315
- c) serious eye damage/irritation
 - The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
 - Not classified
 - Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
 - Not classified
 - Based on available data, the classification criteria are not met
- f) carcinogenicity
 - Not classified
 - Based on available data, the classification criteria are not met
- g) reproductive toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
- h) STOT-single exposure
 - The product is classified: STOT SE 3 H336
- i) STOT-repeated exposure
 - The product is classified: STOT RE 2 H373
- j) aspiration hazard
 - Not classified
 - Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 800000 ppm - Duration: 15MIN

Test: LC50 - Route: Inhalation - Species: Rat = 1442738 mg/m³ - Duration: 15MIN

Test: LC50 - Route: Inhalation - Species: Rat = 1443 mg/l - Duration: 15MIN

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 23300 mg/m³ - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2920 mg/kg

xylene (mixture of isomers) - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 20 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

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- Test: LD50 - Route: Skin - Species: Rabbit > 4200 ml/kg
n-butyl acetate - CAS: 123-86-4
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 10760 mg/kg - Source: OECD 423
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg - Source: OECD 402
Test: LC50 - Route: Inhalation - Species: Rat = 21.1 mg/l - Duration: 4h - Source: OECD 403
- N,N-1,6-Hexanediyldis[12-hydroxyoctadecanamide] - CAS: 55349-01-4
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 4.06 mg/l
- ethanol; ethyl alcohol - CAS: 64-17-5
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 7060 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 20000 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Oral - Species: Rabbit = 6300 mg/kg
Test: LD50 - Route: Oral - Species: Mouse = 3450 mg/kg
- ethylbenzene - CAS: 100-41-4
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit = 17800 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 4000 mg/l - Duration: 4h
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 23.5 mg/l
- propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5840 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 13900 ml/kg
Test: LC50 - Route: Inhalation - Species: Rat > 25000 mg/m3 - Duration: 8h
- b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit No
- c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Yes
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Oral - Species: Rabbit = 480 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

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

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The product is classified: Aquatic Chronic 2 - H411

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

a) Aquatic acute toxicity:

Endpoint: EL50 - Species: Daphnia = 4.6-10 mg/l - Duration h: 48

Endpoint: EL50 - Species: Algae = 10-30 mg/l - Duration h: 72

Endpoint: LL50 - Species: Fish = 3-10 mg/l - Duration h: 96

xylene (mixture of isomers) - CAS: 1330-20-7

a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24
Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96
Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 73

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Duration h: 504
Endpoint: NOEC - Species: Fish > 1.3 mg/l - Duration h: 1344

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

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 648 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: OECD 203

N,N-1,6-Hexanediyldis[12-hydroxyoctadecanamide] - CAS: 55349-01-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 36.8 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

ethanol; ethyl alcohol - CAS: 64-17-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 8140 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia > 9268 mg/l - Duration h: 48
Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 24

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 75 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: LC50 - Species: Fish = 48.5 mg/l - Duration h: 96 - Notes: Phimephales

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 161 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 408 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: LC50 - Species: Fish = 63.5 mg/l
Endpoint: NOEC - Species: Fish = 47.5 mg/l
Endpoint: EC50 - Species: Daphnia > 100 mg/l
Endpoint: NOEC - Species: Daphnia > 100 mg/l
Endpoint: EC50 - Species: Algae > 1000 mg/l
Endpoint: NOEC - Species: Algae > 1000 mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 10000 mg/l - Duration h: 24

c) Bacteria toxicity:

Endpoint: EC50 = 1050 mg/l

e) Plant toxicity:

Endpoint: EC50 - Species: Algae > 1800 mg/l - Duration h: 168

12.2. Persistence and degradability

None

Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4

Biodegradability: Readily biodegradable

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Biodegradability: Readily biodegradable

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

Biodegradability: Readily biodegradable

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

Biodegradability: Readily biodegradable

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4

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- Bioaccumulation: Not bioaccumulative
n-butyl acetate - CAS: 123-86-4
Test: BCF - Bioconcentration factor 15.3
Test: Kow - Partition coefficient 2.3
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Bioaccumulation: Not bioaccumulative
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects
None

SECTION 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.

Additional disposal information:
WASTE CODE = 160504

SECTION 14: Transport information

- 14.1. UN number
ADR-UN number: 1950
IATA-Un number: 1950
IMDG-Un number: 1950
- 14.2. UN proper shipping name
ADR-Shipping Name: AEROSOLS
IATA-Technical name: AEROSOLS, flammable
IMDG-Technical name: AEROSOLS
- 14.3. Transport hazard class(es)
ADR-Class: 2 - 5F
ADR-Label: 2.1
IATA-Class: 2.1
IATA-Label: 2.1
IMDG-Class: 2.1
- 14.4. Packing group
ADR-Packing Group: -
IATA-Packing group: -
IMDG-Packing group: -
- 14.5. Environmental hazards
- 14.6. Special precautions for user
ADR-Tunnel Restriction Code: D
ADR-Limited Quantity (LQ): 1 L
IATA-Passenger Aircraft: Forbidden
IATA-Cargo Aircraft: 203
IMDG-Technical name: AEROSOLS
IMDG-EMS: F-D S-U
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)

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Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)

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:

No restriction.

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: P3a, E2

15.2. Chemical safety assessment

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

Substances for which a Chemical Safety Assessment has been carried out:

Hydrocarbons, C3-4; Petroleum gas

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

xylene (mixture of isomers)

n-butyl acetate

2-methoxy-1-methylethyl acetate

propan-2-ol; isopropyl alcohol; isopropanol

15.3. VOC

Volatile organic compounds - VOCs = 610 g/l

Volatile organic compounds - VOCs = 90 %

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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

H315 Causes skin irritation.

H312 Harmful in contact with skin.

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H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

H317 May cause an allergic skin reaction.

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

Hazard class and hazard category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Press. Gas (Liq.)	2.5/L	Gases under pressure (Liquefied gas)
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
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
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
SECTION 5: Firefighting measures
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 13: Disposal considerations
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222+H229	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 2, H411	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.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average

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WGK: German Water Hazard Class.