

# Safety Data Sheet

## WRAPPER TIN



Safety Data Sheet dated 23/8/2019, version 3 23/8/2019

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

- 1.1. Product identifier  
Mixture identification:  
Trade name: WRAPPER TIN
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
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)
- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
  - ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
  - ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
  - ⚠ Warning, STOT SE 3, May cause respiratory irritation.
  - ⚠ Warning, STOT 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.
- Adverse physicochemical, human health and environmental effects:  
No other hazards

#### 2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.

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H319 Causes serious eye irritation.  
H335 May cause respiratory 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.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
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.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P370+P378 In case of fire, use a foam fire extinguisher to extinguish.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
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  
xylene (mixture of isomers)  
n-butyl acetate  
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

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## 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:

>= 40% - < 50% 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

>= 25% - < 30% 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

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- ⚠ 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

>= 7% - < 10% 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

702 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

93 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)\*

\*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.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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:

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

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a foam 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.

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

#### 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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### SECTION 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

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See also section 8 and 13

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### SECTION 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

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.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

#### 7.3. Specific end use(s)

None in particular

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

TLV - TWA: 1200 mg/m<sup>3</sup>, 260 ppm

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

EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 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/m<sup>3</sup>, 100 ppm - STEL: 870 mg/m<sup>3</sup>, 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/m<sup>3</sup>, 100 ppm - STEL: 960 mg/m<sup>3</sup>, 200 ppm - Notes:

GERMANY

GVI - TWA(8h): 724 mg/m<sup>3</sup>, 150 ppm - STEL: 966 mg/m<sup>3</sup>, 200 ppm - Notes: CROATIA

VLA - TWA(8h): 724 mg/m<sup>3</sup>, 150 ppm - STEL: 965 mg/m<sup>3</sup>, 200 ppm - Notes: SPAIN

TLV - TWA(8h): 950 mg/m<sup>3</sup> - STEL: 1200 mg/m<sup>3</sup> - Notes: CZECH REPUBLIC

VLEP - TWA(8h): 710 mg/m<sup>3</sup>, 150 ppm - STEL: 940 mg/m<sup>3</sup>, 200 ppm - Notes: FRANCE

National - TWA(8h): 724 mg/m<sup>3</sup>, 150 ppm - STEL: 966 mg/m<sup>3</sup>, 200 ppm - Notes:

UNITED KINGDOM

MAK - TWA(8h): 480 mg/m<sup>3</sup>, 100 ppm - STEL: 960 mg/m<sup>3</sup>, 200 ppm - Notes: SWISS

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

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

MAK - TWA(8h): 960 mg/m<sup>3</sup>, 500 ppm - STEL: 1920 mg/m<sup>3</sup>, 1000 ppm - Notes: SWISS

ethylbenzene - CAS: 100-41-4

EU - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

MAK - TWA(8h): 220 mg/m<sup>3</sup>, 50 ppm - STEL: 220 mg/m<sup>3</sup>, 50 ppm - Notes: SWISS

National - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes:

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CROATIA - K (Skin)

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

EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

MAK - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 275 mg/m<sup>3</sup>, 50 ppm - Notes: SWISS

MAK - TWA(8h): 270 mg/m<sup>3</sup>, 50 ppm - STEL: 270 mg/m<sup>3</sup>, 50 ppm - Notes: GERMANY

National - TWA(8h): 274 mg/m<sup>3</sup>, 50 ppm - STEL: 548 mg/m<sup>3</sup>, 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/m<sup>3</sup>, 200 ppm - STEL: 1000 mg/m<sup>3</sup>, 400 ppm - Notes: SWISS

GVI - TWA(8h): 999 mg/m<sup>3</sup>, 400 ppm - STEL: 1250 mg/m<sup>3</sup>, 500 ppm - Notes: CROATIA

VLA - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm - STEL: 1000 mg/m<sup>3</sup>, 440 ppm - Notes: SPAIN - VLB, s

TLV - TWA(8h): 500 mg/m<sup>3</sup> - STEL: 1000 mg/m<sup>3</sup> - Notes: CZECH REPUBLIC

MAK - TWA(8h): 500 mg/m<sup>3</sup>, 200 ppm - STEL: 1000 mg/m<sup>3</sup>, 400 ppm - Notes: GERMANY

VLEP - STEL: 980 mg/m<sup>3</sup>, 400 ppm - Notes: FRANCE

National - TWA(8h): 999 mg/m<sup>3</sup>, 400 ppm - STEL: 1250 mg/m<sup>3</sup>, 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/m<sup>3</sup> - Consumer: 608 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 480 mg/m<sup>3</sup> - Worker Professional: 480 mg/m<sup>3</sup> - Consumer: 102.34 mg/m<sup>3</sup> - 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 (repeated)

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

Worker Industry: 950 mg/m<sup>3</sup> - Worker Professional: 950 mg/m<sup>3</sup> - Consumer: 114 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 1900 mg/m<sup>3</sup> - Consumer: 950 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

ethylbenzene - CAS: 100-41-4

Worker Industry: 77 mg/m<sup>3</sup> - Worker Professional: 77 mg/m<sup>3</sup> - Consumer: 15 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 293 mg/m<sup>3</sup> - Worker Professional: 293 mg/m<sup>3</sup> - Exposure: Human



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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/m<sup>3</sup> - Worker Professional: 275 mg/m<sup>3</sup> - Consumer: 33 mg/m<sup>3</sup> -  
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/m<sup>3</sup> - Worker Professional: 550 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 500 mg/m<sup>3</sup> - Consumer: 89 mg/m<sup>3</sup> -  
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  
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

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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 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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	95-200 °C	--	--
Flash point:	> 21 °C	--	--
Evaporation rate:	N.A.	--	--
Gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	> 1 ( Aria = 1 )	--	--
Relative density:	0.80 +/- 0.05 - 20 °C	--	--
Solubility in water:	NO	--	--



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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 <sup>2</sup> /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:	--	--	--
Explosion Pressure:	--	--	--
Volatile organic compounds - VOC	670 g/l	--	--
Volatile organic compounds - VOC	84 %	--	--
Substance Groups relevant properties	N.A.	--	--

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

It may generate dangerous reactions (See subsections below)

### 10.2. Chemical stability

It may generate dangerous reactions (See subsections below)

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Avoid accumulating electrostatic charge.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

None.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological information of the product:

WRAPPER TIN

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 H335; 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, C7-C9, n-alkanes, isoalkanes, cyclics

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 23300 mg/m<sup>3</sup> - 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

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

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- 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/m<sup>3</sup> - 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

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## SECTION 12: Ecological information

### 12.1. Toxicity

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

WGK: 2

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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:

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-Hexanediybis[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

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- 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, 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
  - 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
    - Biaccumulation: 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

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### 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.

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Additional disposal information:  
WASTE CODE = 160504

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### SECTION 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-Technical name: PAINT  
IMDG-Technical name: PAINT
- 14.3. Transport hazard class(es)  
ADR-Class: 3  
ADR-Label: 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
- 14.6. Special precautions for user  
ADR-Tunnel Restriction Code: (D/E)  
ADR-Limited Quantity (LQ): 5 L  
IATA-Passenger Aircraft: 355  
IATA-Cargo Aircraft: 366  
IMDG-Technical name: PAINT  
IMDG-EMS: F-E S-E
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
N.A.

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### 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)  
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:

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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: P5c, 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, 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 = 670 g/l

Volatile organic compounds - VOCs = 84 %

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## SECTION 16: Other information

Full text of phrases referred to in Section 3:

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.  
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. 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

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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 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]:

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



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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
WGK:	German Water Hazard Class.