

Safety Data Sheet

PRIMER MAT ANTI-RUST



Safety Data Sheet dated 11/3/2019, version 2 11/3/2019

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

- 1.1. Product identifier
Mixture identification:
Trade name: PRIMER MAT ANTI-RUST
- 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, Eye Irrit. 2, Causes serious eye irritation.
⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

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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.

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

P271 Use only outdoors or in a well-ventilated area.

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:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

acetone; propan-2-one; propanone

n-butyl acetate

butan-1-ol; n-butanol

isobutyl 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:

>= 30% - < 40% acetone; propan-2-one; propanone

REACH No.: 01-2119471330-49, Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

EUH066

>= 25% - < 30% 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)*

>= 10% - < 15% 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

>= 3% - < 5% 2-butoxyethanol; ethylene glycol monobutyl ether

REACH No.: 01-2119475108-36, Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.2/2 Skin Irrit. 2 H315

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- ⚠ 3.1/4/Oral Acute Tox. 4 H302
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 1% - < 3% 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

>= 1% - < 3% butan-1-ol; n-butanol

REACH No.: 01-2119484630-38, Index number: 603-004-00-6, CAS: 71-36-3, EC: 200-751-6

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.3/1 Eye Dam. 1 H318
- ⚠ 3.8/3 STOT SE 3 H336
- ⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 1% - < 3% isobutyl acetate

REACH No.: 01-2119488971-22, Index number: 607-026-00-7, CAS: 110-19-0, EC: 203-745-1

- ⚠ 2.6/2 Flam. Liq. 2 H225
 - ⚠ 3.8/3 STOT SE 3 H336
- EUH066

>= 1% - < 3% branched C10-alkyl benzoates

REACH No.: 01-0000016763-66, Index number: 607-674-00-0, CAS: 131298-44-7, EC: 421-090-1

- ⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 1% - < 3% 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

>= 0.25% - < 0.5% ethyl acetate

REACH No.: 01-2119475103-46, Index number: 607-022-00-5, CAS: 141-78-6, EC: 205-500-4

- ⚠ 2.6/2 Flam. Liq. 2 H225
 - ⚠ 3.3/2 Eye Irrit. 2 H319
 - ⚠ 3.8/3 STOT SE 3 H336
- EUH066

>= 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

216 ppm 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

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- ◆ 3.9/2 STOT RE 2 H373
- ◆ 3.10/1 Asp. Tox. 1 H304

*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 should 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.

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

1.331 ANTIR PRIM/2

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- 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.
- 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
 - acetone; propan-2-one; propanone - CAS: 67-64-1
 - EU - TWA(8h): 1210 mg/m³, 500 ppm
 - ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
 - MAK - TWA(8h): 1200 mg/m³, 500 ppm - STEL: 2400 mg/m³, 1000 ppm - Notes: SWISS
 - National - TWA(8h): 1210 mg/m³, 500 ppm - STEL: 3620 mg/m³, 1500 ppm - Notes: HR - CROATIA
 - Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4
 - EU - TWA(8h): 1000 ppm
 - ACGIH - TWA(8h): 1000 ppm
 - 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

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TLV - TWA(8h): 950 mg/m³ - STEL: 1200 mg/m³ - Notes: CZECH REPUBLIC
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
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
EU - TWA(8h): 98 mg/m³, 20 ppm - STEL: 246 mg/m³, 50 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr
MAK - TWA(8h): 49 mg/m³, 10 ppm - STEL: 98 mg/m³, 20 ppm - Notes: SWISS
MAK - TWA(8h): 98 mg/m³, 20 ppm - STEL(): 200 mg/m³, 40 ppm - Notes: AUSTRIA
TLV - TWA(8h): 100 mg/m³ - STEL(): 200 mg/m³ - Notes: CZECH REPUBLIC
MAK - TWA(8h): 49 mg/m³, 10 ppm - STEL(): 98 mg/m³, 20 ppm - Notes: GERMANY
VLEP - TWA(8h): 49 mg/m³, 10 ppm - STEL(): 246 mg/m³, 50 ppm - Notes: FRANCE
National - TWA(8h): 25 ppm - STEL(): 50 ppm - Notes: UNITED KINGDOM: Skin
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
butan-1-ol; n-butanol - CAS: 71-36-3
ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr
MAK - TWA(8h): 150 mg/m³, 50 ppm - STEL(): 600 mg/m³, 200 ppm - Notes: AUSTRIA
MAK - TWA(8h): 310 mg/m³, 100 ppm - STEL(): 310 mg/m³, 100 ppm - Notes:
GERMANY
TLV - TWA(8h): 300 mg/m³ - STEL(): 600 mg/m³ - Notes: CZECH REPUBLIC
VLA - TWA(8h): 61 mg/m³, 20 ppm - STEL(): 154 mg/m³, 50 ppm - Notes: SPAIN
VLEP - STEL(): 150 mg/m³, 50 ppm - Notes: FRANCE
GVI - STEL: 150 mg/m³, 50 ppm - Notes: CROATIA: K
MAK - TWA(8h): 150 mg/m³, 50 ppm - STEL: 150 mg/m³, 50 ppm - Notes: SWISS
isobutyl acetate - CAS: 110-19-0
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: SWISS
GVI - TWA(8h): 724 mg/m³, 150 ppm - STEL: 903 mg/m³, 187 ppm - Notes: CROATIA
VLA - TWA(8h): 724 mg/m³, 150 ppm - Notes: SPAIN
TLV - TWA(8h): 950 mg/m³ - STEL: 1200 mg/m³ - Notes: CZECH REPUBLIC
National - TWA(8h): 300 mg/m³, 62 ppm - STEL: 600 mg/m³, 124 ppm - Notes:
GERMANY
VLEP - TWA(8h): 710 mg/m³, 150 ppm - STEL: 940 mg/m³, 200 ppm - Notes: FRANCE
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
ethyl acetate - CAS: 141-78-6
ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr
MAK - TWA(8h): 1400 mg/m³, 400 ppm - STEL: 2800 mg/m³, 800 ppm - Notes: SWISS
EU - TWA(8h): 734 mg/m³, 200 ppm - STEL: 1468 mg/m³, 400 ppm
MAK - TWA(8h): 1050 mg/m³, 300 ppm - STEL(): 2100 mg/m³, 600 ppm - Notes:
AUSTRIA

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TLV - TWA(8h): 700 mg/m³ - STEL(): 900 mg/m³ - Notes: CZECH REPUBLIC

GVI - TWA(8h): 200 ppm - STEL(): 400 ppm - Notes: CROATIA

VLA - TWA(8h): 1460 mg/m³, 400 ppm - Notes: SPAIN

NIOSH - TWA(8h): 1440 mg/m³, 400 ppm - Notes: ITALY

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

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)

DNEL Exposure Limit Values

acetone; propan-2-one; propanone - CAS: 67-64-1

Worker Industry: 186 mg/kg - Worker Professional: 186 mg/kg - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Worker Industry: 2420 mg/m³ - Worker Professional: 2420 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, local effects

Worker Industry: 1210 mg/m³ - Worker Professional: 1210 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 62 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic
effects

Consumer: 200 mg/m³ - Exposure: Human Inhalation - 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

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

Worker Industry: 89 mg/kg - Consumer: 89 mg/kg - Exposure: Human Dermal -

Frequency: Short Term, systemic effects

Worker Industry: 1091 mg/m³ - Consumer: 426 mg/m³ - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

Worker Industry: 246 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term,
local effects

Worker Industry: 125 mg/kg - Consumer: 75 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 98 mg/m³ - Consumer: 59 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 147 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local
effects

Consumer: 26.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic
effects

Consumer: 6.3 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 -

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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
butan-1-ol; n-butanol - CAS: 71-36-3
Consumer: 3125 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Industry: 310 mg/m³ - Worker Professional: 310 mg/m³ - Consumer: 55 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, local effects
isobutyl acetate - CAS: 110-19-0
Worker Industry: 300 mg/m³ - Worker Professional: 300 mg/m³ - Consumer: 35.7 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 960 mg/m³ - Consumer: 859.7 - Exposure: Human Inhalation -
Frequency: Short Term (acute)
Worker Industry: 600 mg/m³ - Worker Professional: 600 mg/m³ - Consumer: 300 mg/m³ -
Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 10 mg/kg - Worker Professional: 10 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Professional: 10 mg/kg - Exposure: Human Dermal - Frequency: Short Term,
systemic effects
Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long 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
ethyl acetate - CAS: 141-78-6
Worker Industry: 734 mg/m³ - Worker Professional: 734 mg/m³ - Consumer: 367 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 1468 mg/m³ - Worker Professional: 1468 mg/m³ - Consumer: 734
mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 63 mg/kg - Worker Professional: 63 mg/kg - Consumer: 37 mg/kg -
Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 4.5 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
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

PNEC Exposure Limit Values

acetone; propan-2-one; propanone - CAS: 67-64-1
Target: Freshwater sediments - Value: 30.4 mg/kg
Target: Marine water sediments - Value: 3.04 mg/kg
Target: Soil (agricultural) - Value: 29.5 mg/kg

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Target: Fresh Water - Value: 10.6 mg/l
Target: Marine water - Value: 1.06 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
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
Target: Freshwater sediments - Value: 34.6 mg/kg
Target: Marine water sediments - Value: 3.46 mg/kg
Target: Soil (agricultural) - Value: 2.8 mg/kg
Target: Fresh Water - Value: 8.8 mg/l
Target: Marine water - Value: 0.88 mg/l
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
butan-1-ol; n-butanol - CAS: 71-36-3
Target: Fresh Water - Value: 0.082 mg/l
Target: Marine water - Value: 0.082 mg/l
Target: Freshwater sediments - Value: 0.178 mg/l
Target: Soil (agricultural) - Value: 0.015 mg/kg
Target: Microorganisms in sewage treatments - Value: 2476 mg/l
isobutyl acetate - CAS: 110-19-0
Target: Fresh Water - Value: 0.17 mg/l
Target: Marine water - Value: 0.017 mg/l
Target: Freshwater sediments - Value: 0.877 mg/kg
Target: Marine water sediments - Value: 0.0877 mg/kg
Target: Soil (agricultural) - Value: 0.0755 mg/kg
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
ethyl acetate - CAS: 141-78-6
Target: Food chain - Value: 200 mg/kg
Target: Fresh Water - Value: 0.26 mg/l
Target: Freshwater sediments - Value: 1.25 mg/kg
Target: Microorganisms in sewage treatments - Value: 650 mg/l
Target: Soil (agricultural) - Value: 0.24 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
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

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

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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	--	--
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:	0.75 +/- 0.05	--	--
Solubility in water:	Partially soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>400 °C	--	--

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Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
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	650 g/l	--	--
Volatile organic compounds - VOC	86 %	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 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

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

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- b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
- 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
Not classified
Based on available data, the classification criteria are not met
- 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:

acetone; propan-2-one; propanone - CAS: 67-64-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 20 ml/kg

Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Skin Irritant Positive

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

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

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 20 ppm - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 1746 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 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

butan-1-ol; n-butanol - CAS: 71-36-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 790 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 3430 mg/kg

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isobutyl acetate - CAS: 110-19-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 13413 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 30 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

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

ethyl acetate - CAS: 141-78-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5620 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 22.5 mg/l - Duration: 8h

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

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

SECTION 12: Ecological information

12.1. Toxicity

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

WGK: 1

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

acetone; propan-2-one; propanone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 530 mg/l - Notes: 8 d

Endpoint: LC50 - Species: Fish = 8120 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 8800 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 2212 mg/l - Notes: 28 d

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

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1550 mg/l - Duration h: 48

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- Endpoint: EC50 - Species: Algae = 911 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish = 1474 mg/l - Duration h: 96
- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish > 100 mg/l - Notes: 21 d
Endpoint: NOEC - Species: Daphnia = 100 mg/l - Notes: 21 d
- 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
- butan-1-ol; n-butanol - CAS: 71-36-3
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1376 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae = 225 mg/l - Duration h: 96 - Notes: OECD TG 201
Endpoint: EC50 - Species: Daphnia = 1328 mg/l - Duration h: 48 - Notes: OECDTG 202
- c) Bacteria toxicity:
Endpoint: EC50 = 4390 mg/l - Notes: 17 d
- isobutyl acetate - CAS: 110-19-0
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 17 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 25 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 370 mg/l - Duration h: 72
- 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
- ethyl acetate - CAS: 141-78-6
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96
Endpoint: LC50 - Species: Algae = 5600 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia = 260 mg/l - Duration h: 48
- c) Bacteria toxicity:
Endpoint: EC50 = 5870 mg/l - Duration h: 0.25
- 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
- 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
- 12.2. Persistence and degradability
None
acetone; propan-2-one; propanone - CAS: 67-64-1

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- Biodegradability: Readily biodegradable
Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4
Biodegradability: Readily biodegradable
n-butyl acetate - CAS: 123-86-4
Biodegradability: Readily biodegradable
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
Biodegradability: Readily biodegradable
butan-1-ol; n-butanol - CAS: 71-36-3
Biodegradability: Readily biodegradable - %: 92
isobutyl acetate - CAS: 110-19-0
Biodegradability: Readily biodegradable
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Biodegradability: Readily biodegradable
ethyl acetate - CAS: 141-78-6
Biodegradability: Readily biodegradable
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Biodegradability: Readily biodegradable
- 12.3. Bioaccumulative potential
acetone; propan-2-one; propanone - CAS: 67-64-1
Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 3
Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.24
Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4
Bioaccumulation: Not bioaccumulative
n-butyl acetate - CAS: 123-86-4
Test: BCF - Bioconcentration factor 15.3
Test: Kow - Partition coefficient 2.3
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
Test: Kow - Partition coefficient 0.81 - Notes: 1-OCTANOL/WATER
isobutyl acetate - CAS: 110-19-0
Test: Kow - Partition coefficient 2.3
Test: BCF - Bioconcentration factor 15.3
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

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- 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)
 - 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:
 - Restriction 70
- 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
- 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:

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acetone; propan-2-one; propanone
 Hydrocarbons, C3-4; Petroleum gas
 n-butyl acetate
 2-butoxyethanol; ethylene glycol monobutyl ether
 xylene (mixture of isomers)
 butan-1-ol; n-butanol
 propan-2-ol; isopropyl alcohol; isopropanol
 ethyl acetate
 2-methoxy-1-methylethyl acetate

15.3. VOC

Volatile organic compounds - VOCs = 650 g/l
 Volatile organic compounds - VOCs = 86 %

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 EUH066 Repeated exposure may cause skin dryness or cracking.
 H220 Extremely flammable gas.
 H280 Contains gas under pressure; may explode if heated.
 H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H332 Harmful if inhaled.
 H304 May be fatal if swallowed and enters airways.
 H335 May cause respiratory irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H412 Harmful to aquatic life with long lasting effects.
 H318 Causes serious eye damage.
 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
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2

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Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 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 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]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222+H229	On basis of test data
Eye Irrit. 2, H319	Calculation method
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.

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.

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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.