Paint Remover 1l

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

1.1. Product identifier

Trade name/designation:

Paint Remover 1l

Article No.:
T212001

UFI:
SX81-X7PP-4P00-YGHF

Additional information:
For removing graffiti from solvent-resistant substrates.

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

No data available

*
1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids *(Flam. Liq. 3)*	H226: Flammable liquid and vapour.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Warning

Hazard components for labelling:
1-methoxypropan-2-ol; 2-methoxy-1-methylethyl acetate

Hazard statements for physical hazards	
H226	Flammable liquid and vapour.

Hazard statements for health hazards	
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Supplemental hazard information: none

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection/face protection.

Precautionary statements Response	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.

Precautionary statements Storage	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

Other adverse effects:
No further relevant information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:
Solvent/surfactant mixture

Additional information:
Labelling for contents according to regulation (EC) No. 648/2004:
< 5% Anionic surfactants

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 107-98-2 EC No.: 203-539-1 Index No.: 603-064-00-3 REACH No.: 01-2119457435-35	**1-methoxypropan-2-ol** Flam. Liq. 3 (H226), STOT SE 3 (H336)  Warning **Acute Toxicity Estimate** ATE (oral) 4,016 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 28.8 ppmV	10 – < 25 Vol-%
CAS No.: 108-65-6 EC No.: 203-603-9 Index No.: 607-195-00-7 REACH No.: 01-2119475791-29	**2-methoxy-1-methylethyl acetate** Flam. Liq. 3 (H226), STOT SE 3 (H336)  Warning **Acute Toxicity Estimate** ATE (oral) 8,560 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, gases) > 10,000 ppmV ATE (inhalation, vapour) > 10 mg/L	10 – < 25 Vol-%
CAS No.: 577-11-7 EC No.: 209-406-4 REACH No.: 01-2119491296-29-0000	**Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt** Eye Dam. 1 (H318), Skin Irrit. 2 (H315)  Danger	< 2.5 Vol-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation:
Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest, initiate artificial respiration.

In case of skin contact:
Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. DO NOT use solvents or thinners.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Following ingestion:
If swallowed, rinse mouth with water (only if the victim is conscious). Get immediate medical advice/ attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
When in doubt or if symptoms are observed, get medical advice.

4.3. Indication of any immediate medical attention and special treatment needed
First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
alcohol resistant foam, Carbon dioxide, Powder, Spray mist, (Water)

Unsuitable extinguishing media:
Strong water jet

5.2. Special hazards arising from the substance or mixture
In case of fire, dense black smoke is often produced. Exposure to decomposition products can be harmful to health. Do not inhale smoke.

5.3. Advice for firefighters

Have breathing apparatus ready. Do not allow run-off from fire-fighting to enter drains or water courses. Cool closed containers near the source of the fire with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Keep away from sources of ignition - No smoking. Ventilate affected area. Do not breathe vapours.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of spillage into water or sewage system, inform the competent authorities.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Dispose of contaminated material as waste according to section 13..
Clean with detergents, do not use solvents.

6.4. Reference to other sections

See section 7 for further information on safe handling.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the occupational exposure limits. Use the material only in places where open light, fire and other sources of ignition are kept away. Electrical equipment must be protected according to the recognised standard. The material may become electrostatically charged. Provide earthing for containers, apparatus, pumps and extractors. Wearing antistatic clothing including footwear is recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use spark-proof tools. Avoid contact with skin, eyes and clothing. Do not inhale dusts, particles and spray mist when using this preparation. Avoid inhalation of grinding dusts. Do not eat, drink or smoke while working. Personal protective equipment: See section 8. Never empty containers under pressure - no pressure container! Always store in containers of the same material as the original container. Follow legal protection and safety regulations.

Fire prevent measures:

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store in accordance with the Ordinance on Industrial Safety and Health. Keep containers tightly closed. Never empty containers under pressure - not a pressure vessel! Smoking is prohibited. Unauthorised persons are not allowed to enter. Store containers carefully closed in an upright position to prevent any leakage. Floors must comply with the "Guidelines for the prevention of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on storage assembly:

Do not store together with: Alkalis, Oxidizing agent.

Storage class (TRGS 510, Germany): 3 – Flammable liquids

Further information on storage conditions:
Follow the instructions for use on the label. Store in a well-ventilated place. Keep cool. Protect from heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition - No smoking.
minimum storage temperature: 15°C
maximum storage temperature: 30°C

7.3. Specific end use(s)

Recommendation:
Observe technical data sheet. Observe instructions for use.

Industrial sector specific solutions:
Paint stripper, containing solvents, skin absorptive, dichloromethane free

GISCODE:
M-AB20

SECTION 8: Exposure controls/personal protection

*

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	**1-methoxypropan-2-ol** CAS No.: 107-98-2 EC No.: 203-539-1	① 100 ppm (375 mg/m³) ② 150 ppm (568 mg/m³) ⑤ (may be absorbed through the skin)
MAK (AT)	**1-methoxypropan-2-ol** CAS No.: 107-98-2 EC No.: 203-539-1	① 50 ppm (187 mg/m³) ② 50 ppm (187 mg/m³) ⑤ (Momentanwert, kann über die Haut aufgenommen werden) H
MAK (AT)	**2-methoxy-1-methylethyl acetate** CAS No.: 108-65-6 EC No.: 203-603-9	② 100 ppm (550 mg/m³) ⑤ (max. 8x5 min./Schicht, Momentanwert, kann über die Haut aufgenommen werden) H
IOELV (EU)	**2-methoxy-1-methylethyl acetate** CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (may be absorbed through the skin)
MAK (AT)	**2-methoxy-1-methylethyl acetate** CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ⑤ (kann über die Haut aufgenommen werden) H

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	369 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	43.9 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	553.5 mg/m³	① DNEL worker ② Acute - inhalation, local effects

Substance name	DNEL value	① DNEL type ② Exposure route
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	50.6 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	18.1 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	3.3 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	275 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	33 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	796 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	320 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	36 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	1,889.1 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	559.01 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	267.86 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	160.71 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	17.86 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	10 mg/L	① PNEC aquatic, freshwater
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	1 mg/L	① PNEC aquatic, marine water
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	100 mg/L	① PNEC sewage treatment plant
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	52.3 mg/kg	① PNEC sediment, freshwater

Substance name	PNEC Value	① PNEC type
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	5.2 mg/kg	① PNEC sediment, marine water
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	4.49 mg/kg	① PNEC soil
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	100 mg/L	① PNEC aquatic, intermittent release
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.0635 mg/L	① PNEC aquatic, freshwater
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.0064 mg/L	① PNEC aquatic, marine water
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	100 mg/L	① PNEC sewage treatment plant
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	3.29 mg/L	① PNEC sediment, freshwater
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.329 mg/L	① PNEC sediment, marine water
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	0.29 mg/kg	① PNEC soil
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	0.18 mg/L	① PNEC aquatic, freshwater
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	0.018 mg/L	① PNEC aquatic, marine water
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	122 mg/L	① PNEC sewage treatment plant
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	17.789 mg/kg	① PNEC sediment, freshwater
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	1.779 mg/kg	① PNEC sediment, marine water
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	1.04 mg/kg	① PNEC soil

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation. This can be achieved by local or room exhaust ventilation. If this is not sufficient to keep aerosol and solvent vapour concentrations below occupational exposure limits, suitable respiratory protective equipment must be worn.

8.2.2. Personal protection equipment

Eye/face protection:
Wear tight-fitting safety goggles if there is a risk of splashing.

Skin protection:
Hand protection:
Glove material: KCL Butoject
Thickness of the glove material > 0,4 mm
Breakthrough time: >480 min.
The instructions and information of the protective glove manufacturer regarding use, storage, maintenance and replacement must be observed. Penetration time of the glove material depending on the strength and duration of skin exposure. Recommended glove brands EN ISO 374 Protective creams can help protect exposed areas of the skin. These should not be applied under any circumstances after contact.

Body protection:
Wear antistatic clothing made of natural fibre (cotton) or heat-resistant synthetic fibre.

Respiratory protection:
If the solvent concentration is above the occupational exposure limits, an approved respirator suitable for this purpose must be worn. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Other protection measures:
After contact, clean skin surfaces thoroughly with soap and water or use a suitable cleaning agent.

8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: colourless
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*No data available*		
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	100 °C		
Flash point	52 °C		① Pensky-Martens
Evaporation rate	*No data available*		
Auto-ignition temperature	*No data available*		
Upper/lower flammability or explosive limits	1.56 – 28.5 Vol-%		
Vapour pressure	13.3 mbar	20 °C	
Vapour density	*No data available*		
Density	1.04 g/cm³	20 °C	
Bulk density	*not applicable*		
Water solubility	partially miscible	20 °C	
Dynamic viscosity	*No data available*		
Kinematic viscosity	< 20 mm²/s	40 °C	

9.2. Other information

Flammable liquid and vapour.
Sustaining combustion: positive

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
Stable under recommended storage and handling conditions.
Further information on proper storage: see section 7.

10.3. Possibility of hazardous reactions
Keep away from strong acids, strong bases and strong oxidising agents to avoid exothermic reactions.

10.4. Conditions to avoid
Hazardous decomposition products may be formed at high temperatures.

10.5. Incompatible materials
not applicable

10.6. Hazardous decomposition products
Hazardous decomposition products may be formed at high temperatures, e.g.: Carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

*
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	
ATE (oral): 4,016 mg/kg	
LD_{50} oral: 4,016 mg/kg (Rat)	
LD_{50} dermal: >2,000 mg/kg (Rat)	
LC_{50} Acute inhalation toxicity (gas): 28.8 ppmV 4 h (Rat)	
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	
LD_{50} oral: 8,560 mg/kg (Rat)	
LD_{50} dermal: >5,000 mg/kg (Rabbit) OECD 402	
LC_{50} Acute inhalation toxicity (gas): >10,000 ppmV 4 h (Rat)	
LC_{50} Acute inhalation toxicity (vapour): >10 mg/L 4 h (Rat)	

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Based on available data, the classification criteria are not met.

STOT-single exposure:
May cause drowsiness or dizziness.

STOT-repeated exposure:
May cause drowsiness or dizziness.

Aspiration hazard:
Based on available data, the classification criteria are not met.

Additional information:
Inhalation of solvent contents above the AGW value may cause damage to health, such as irritation of the mucous membranes and respiratory organs, damage to the liver, kidneys and central nervous system. Signs are: Headache, dizziness, fatigue, muscle weakness, drowsiness, in severe cases:

Unconsciousness. Solvents can cause some of the above effects through skin absorption. Prolonged and repeated contact with the product leads to skin fat loss and may cause non-allergic contact skin damage (contact dermatitis) and/or pollutant absorption. Splashes may cause irritation to the eye and reversible damage. CAUTION! - Solvents may be absorbed through the skin. Under unfavourable circumstances, other substances, e.g. from removed paint residues, can be passed through the skin. Therefore take appropriate precautions! (See also points 8 and 15).

11.2. Information on other hazards

Endocrine disrupting properties:
No further relevant information available.

SECTION 12: Ecological information

*

12.1. Toxicity

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	
LC_{50}: 6,812 mg/L 4 d (fish, Leuciscus idus)	
EC_{50}: 23,300 mg/L 2 d (crustaceans, Daphnia magna)	
LC_{50}: 6,812 mg/L 4 d (Leuciscus idus)	
LC_{50}: >1,000 mg/L 4 d (Oncorhynchus mykiss)	
EC_{50}: 23,300 mg/L 2 d (Daphnia magna)	
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	
LC_{50}: <180 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))	
LC_{50}: 18 – 24 mg/L 4 d (fish, Pimephales promelas (fathead minnow))	
LC_{50}: 100 – 180 mg/L 4 d (fish, Regenbogenforelle)	
EC_{50}: >400 mg/L 2 d (crustaceans, Daphnia magna)	
EC_{50}: 10 mg/L (Activated sludge) OECD 204	
EC_{50}: >500 mg/L 2 d (crustaceans, daphnia magna)	
NOEC: 47.5 mg/L (fish, Oryzias latipes)	
NOEC: 100 mg/L (crustaceans, Daphnia magna)	
IC_{50}: >25,000 mg/L 4 d (fish, Danio rerio (zebrafish))	
ErC_{50}: >85 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 203	

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	
Biodegradation: Yes, rapidly	
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	
Biodegradation: Yes, rapidly	

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	
Log K_{OW}: -0.44	
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	
Log K_{OW}: 1.2	
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	
Bioconcentration factor (BCF): 9.33	

Accumulation / Evaluation:
No further relevant information available.

12.4. Mobility in soil
No further relevant information available.

12.5. Results of PBT and vPvB assessment

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	
Results of PBT and vPvB assessment: —	
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	
Results of PBT and vPvB assessment: —	
Butanedioic acid, sulfo, 1,4-bis(2-ethylhexyl) ester, sodium salt CAS No.: 577-11-7 EC No.: 209-406-4	
Results of PBT and vPvB assessment: —	

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties
No further relevant information available.

12.7. Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Do not allow to enter into surface water or drains. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV
Waste code product

20 01 29 *	Detergents containing hazardous substances

**: Evidence for disposal must be provided.*

Waste treatment options
Appropriate disposal / Product:
Stripping waste water: Always collect waste water and run it through a filter, gravel bed, sand trap or similar to separate the solids. Caution with sewer separation systems! Obtain information from the responsible authority. After consultation with the local authority, the waste water may usually be discharged into the sewage system. Paint sludge: Depending on its composition, the separated paint sludge is either household waste or hazardous waste (heavy metals?).

Appropriate disposal / Package:
Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name			
PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint related material
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
No	No	No	No

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.6. Special precautions for user			
Special Provisions: 163 | 367 | 650 **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E1 **Hazard identification number (Kemler No.):** 30 **Classification code:** F1 **Tunnel restriction code:** (D/E)	**Special Provisions:** 163 | 367 | 650 **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E1 **Classification code:** F1	**Special Provisions:** 163 | 223 | 367 | 955 **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E1 **EmS-No.:** F-E, S-E	**Special Provisions:** A3 | A72 | A192 **Limited quantity (LQ):** Y344 **Excepted Quantities (EQ):** E1

14.7. Maritime transport in bulk according to IMO instruments
not applicable

SECTION 15: Regulatory information

* **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

15.1.1. EU legislation
Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 673.8 g/L

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
No data available

SECTION 16: Other information

* **16.1. Indication of changes**

1.3.	Details of the supplier of the safety data sheet
8.1.	Control parameters
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Threshold Limit Value
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ES	Exposure scenario
EWC	European Waste Catalogue
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization

IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids *(Flam. Liq. 3)*	H226: Flammable liquid and vapour.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.