SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

Product name: Stonder Spay-Paint For Wheels Silver

Creation date: 14.03.2023, Revision: 15.05.2023, version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name

Stonder Spay-Paint For Wheels Silver

Product code

[80106 UFI:PFU4-W7FW-P00P-U4M0]

https://my.chemius.net/p/qoZHMR/en/pd/en

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

Relevant identified uses

No information.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

Rags LTD
Džūkstes str.1
LV-1004 Riga, Latvia
+37167808780
rags@rags.lv

1.4 Emergency Telephone Number

Emergency

112

Supplier

+37167808780

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Aerosol 1; H222 + H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
Eye Irrit. 2; H319 Causes serious eye irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.

2.2 Label elements

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

Signal word: DANGER

H222 + H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with national regulation.

Contains:
acetone
n-butyl acetate
2-methoxy-1-methylethyl acetate

2.3 Other hazards

PBT/vPvB
No information.

Endocrine disrupting properties
No information.

Additional information
No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
acetone	67-64-1 200-662-2 606-001-00-8	25-<50	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	/	/
propane	74-98-6 200-827-9 - 01-2119486944-21	10-<12,5	Flam. Gas 1; H220 Press. Gas; H280	/	/
butane	106-97-8 203-448-7 601-004-00-0	5-<10	Flam. Gas 1; H220 Press. Gas; H280	/	C
isobutane	75-28-5 200-857-2 -	5-<10	Flam. Gas 1; H220 Press. Gas; H280	/	/

n-butyl acetate	123-86-4 204-658-1 607-025-00-1	5-<10	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	/	/
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7	5-<10	Flam. Liq. 3; H226 STOT SE 3; H336	/	/
aluminium powder (stabilised)	7429-90-5 231-072-3 013-002-00-1	1-<2.5	Flam. Sol. 1; H228 Water-react. 2; H261	/	T
cellulose nitrate	9004-70-0 - -	1-<2.5	Expl. 1.1; H201	/	/
xylene	1330-20-7 215-535-7 601-022-00-9	1-<2.5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373	/	C

Notes for substances

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
T	This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

Following inhalation

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. If symptoms develop and persist, seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. Vapours may cause drowsiness and

dizziness.

Following skin contact
Contact with skin may cause irritation (redness, itching). Repeated exposure may cause dry skin or cracked skin.

Following eye contact
Redness, tearing, pain.

Following ingestion
Ingestion is unlikely because it is an aerosol. Accidental ingestion: May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
No information.

Unsuitable extinguishing media
Water.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions
In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. In case of fire aerosols can explode and be propelled to considerable distances in different directions. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters
Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information
No information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Protective equipment
No information.

Precautionary measures
Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures
No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders
Use personal protective equipment.

6.2 Environmental precautions

The product is an aerosol, which is why leakage of large amounts of product is not expected. Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Collect the spray cans and hand them over to an authorized waste disposal contractor. Release of liquid because of damaged aerosol can (release of large quantities): Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises.

OTHER INFORMATION

No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air. Pressurized container; protect from sunlight and do not expose to tempratures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Follow safe storage practices for packed compressed gas as described by the Compressed Gas Association or the relevant agency in the country where the product is used. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage class
No information.

Further information on storage conditions
No information.

7.3 Specific end use(s)

Recommendations
No information.

Industrial sector specific solutions
No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

Name	mg/m^3	ml/m^3	Short-term value mg/m^3	Short-term value ml/m^3	Remark	Biological Tolerance Values
Aluminium alkyl compounds	2	/	/	/	/	/
Aluminium salts, soluble	2	/	/	/	/	/
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	220	50	441	100	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
Butane (106-97-8)	1450	600	1810	750	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)	/
1-Methoxypropyl acetate (108-65-6)	274	50	548	100	Sk	/
Acetone (67-64-1)	1210	500	3620	1500	/	/
Aluminium metal inhalable dust (7429-90-5)	10	/	/	/	/	/
Aluminium metal respirable dust (7429-90-5)	4	/	/	/	/	/
Butyl acetate (123-86-4)	724	150	966	200	/	/

Information on monitoring procedures
BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product
No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value

n-butyl acetate	Worker	inhalation	long term systemic effects	/	300 mg/m³
n-butyl acetate	Worker	inhalation	short term systemic effects	/	600 mg/m³
n-butyl acetate	Worker	inhalation	long term local effects	/	300 mg/m³
n-butyl acetate	Worker	inhalation	short term local effects	/	600 mg/m³
n-butyl acetate	Worker	dermal	long term systemic effects	/	11 mg/kg bw/day
n-butyl acetate	Worker	dermal	short term systemic effects	/	11 mg/kg bw/day
n-butyl acetate	Consumer	inhalation	long term systemic effects	/	35.7 mg/m³
n-butyl acetate	Consumer	inhalation	short term systemic effects	/	300 mg/m³
n-butyl acetate	Consumer	inhalation	long term local effects	/	35.7 mg/m³
n-butyl acetate	Consumer	inhalation	short term local effects	/	300 mg/m³
n-butyl acetate	Consumer	dermal	long term systemic effects	/	6 mg/kg bw/day
n-butyl acetate	Consumer	dermal	short term systemic effects	/	6 mg/kg bw/day
n-butyl acetate	Consumer	oral	long term systemic effects	/	2 mg/kg bw/day
n-butyl acetate	Consumer	oral	short term systemic effects	/	2 mg/kg bw/day
2-methoxy-1-methylethyl acetate	Worker	inhalation	long term systemic effects	/	275 mg/m³
2-methoxy-1-methylethyl acetate	Worker	inhalation	short term local effects	/	550 mg/m³
2-methoxy-1-methylethyl acetate	Worker	dermal	long term systemic effects	/	796 mg/kg bw/day
2-methoxy-1-methylethyl acetate	Consumer	inhalation	long term systemic effects	/	33 mg/m³
2-methoxy-1-methylethyl acetate	Consumer	inhalation	long term local effects	/	33 mg/m³
2-methoxy-1-methylethyl acetate	Consumer	dermal	long term systemic effects	/	320 mg/kg bw/day
2-methoxy-1-methylethyl acetate	Consumer	oral	long term systemic effects	/	36 mg/kg bw/day
2-methoxy-1-methylethyl acetate	Consumer	oral	short term systemic effects	/	500 mg/kg bw/day
aluminium powder (stabilised)	Worker	inhalation	long term systemic effects	/	3.72 mg/m³
aluminium powder (stabilised)	Worker	inhalation	long term local effects	/	3.72 mg/m³
aluminium powder (stabilised)	Consumer	oral	long term systemic effects	/	7.9 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
n-butyl acetate	fresh water	/	0.18 mg/L
n-butyl acetate	water, intermittent release	/	0.36 mg/L
n-butyl acetate	marine water	/	0.018 mg/L
n-butyl acetate	water treatment plant	/	35.6 mg/L
n-butyl acetate	fresh water sediment	dry weight	0.981 mg/kg
n-butyl acetate	marine water sediment	dry weight	0.098 mg/kg
n-butyl acetate	soil	dry weight	0.09 mg/kg

2-methoxy-1-methylethyl acetate	fresh water	/	0.635 mg/L
2-methoxy-1-methylethyl acetate	water, intermittent release	/	6.35 mg/L
2-methoxy-1-methylethyl acetate	marine water	/	0.064 mg/L
2-methoxy-1-methylethyl acetate	water treatment plant	/	100 mg/L
2-methoxy-1-methylethyl acetate	fresh water sediment	dry weight	3.29 mg/kg
2-methoxy-1-methylethyl acetate	marine water sediment	dry weight	0.329 mg/kg
2-methoxy-1-methylethyl acetate	soil	dry weight	0.29 mg/kg

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At high risk of skin exposure chemical suits (BS EN ISO 6530:2005) and boots may be required (BS EN ISO 20345:2022).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state
liquid - aerosol

Colour
silver

Odour
solvent like

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	1.7 vol % (propane) 13 vol % (acetone)
Flash point	No information.
Auto-ignition temperature	333 °C (2-methoxy-1-methylethyl acetate)
Decomposition temperature	No information.
pH	No information.
Viscosity	No information.
Solubility	Water: insoluble
Partition coefficient	No information.
Vapour pressure	3500 hPa at 20 °C
Density and/or relative density	Density: 0.7 g/cm^3 at 20 °C
Relative vapour density	No information.
Particle characteristics	No information.

9.2 OTHER INFORMATION

Solids content	6.3
Weight organic solvents	93.6 %
Explosive properties	No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4 Conditions to avoid

Pressurized container; protect from sunlight and do not expose to tempratures exceeding 50°C. Do not pierce or burn, even after use. Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

Oxidants.
Water.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

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

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
acetone	oral	LD_{50}	rat	/	5800 mg/kg	/	/
acetone	dermal	LD_{50}	rabbit	/	20000 mg/kg	/	/
propane	inhalation	LD_{50}	rat	4 h	> 20 mg/l	/	/
butane	inhalation	LC_{50}	rat	4 h	658 mg/l	/	/
isobutane	inhalation	LC_{50}	rat	4 h	658 mg/l	/	/
n-butyl acetate	dermal	LD_{50}	rabbit	/	5000 mg/kg	/	/
n-butyl acetate	inhalation	LC_{50}	rat	4 h	9.6 - 29.2 mg/l	/	dust/aerosol
n-butyl acetate	oral	LD_{50}	rat	/	4700 mg/kg	/	/
2-methoxy-1-methylethyl acetate	oral	LD_{50}	rat	/	8530 mg/kg	/	/
2-methoxy-1-methylethyl acetate	inhalation	LC_{50}	rat	4 h	35.7 mg/l	/	vapour
2-methoxy-1-methylethyl acetate	dermal	LD_{50}	rat	/	5000 mg/kg	/	/
aluminium powder (stabilised)	oral	LD_{50}	rat	/	> 2000 mg/kg	/	/
aluminium powder (stabilised)	inhalation	LC_{50}	rat	/	> 888 mg/m^3	/	/
aluminium powder (stabilised)	inhalation	NOAEC	rat	/	10 mg/m^3	/	/
cellulose nitrate	oral	LD_{50}	rat	/	> 5000 mg/kg	/	/
xylene	dermal	LD_{50}	rabbit	/	1700 mg/kg	/	/
xylene	oral	LD_{50}	rat	/	5000 mg/kg	/	/
xylene	inhalation	LC_{50}	rat	4 h	4500 ppm	/	/

Additional information

The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

No information.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
isobutane	/	rabbit	/	Non-irritant.	/	/

2-methoxy-1-methylethyl acetate	/	/	/	May cause irritation.	/	/

Additional information

Causes serious eye irritation.

(d) Respiratory or skin sensitisation

No information.

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
butane	/	Bacteria	/	Negative.	OECD 471 (EU B. 12/13)	/
isobutane	/	Bacteria	/	Negative.	OECD 471	Bacterial Reverse Mutation Test

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
butane	-	-	/	/	/	/	/	Symptoms: ataxia, breathing difficulties, drowsiness, unconsciouness, frostbite, disturbed heart rhytm, headaches, cramps, intoxication, dizziness, nausea and vomiting.	/	/

Additional information

May cause drowsiness or dizziness.

(i) STOT-repeated exposure

No information.

Additional information

Repeated exposure may cause skin dryness or cracking. STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

No information.

Additional information

Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

No information.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
n-butyl acetate	LC_{50}	18 mg/L	96 h	fish	/	/	/
n-butyl acetate	EC_{50}	44 mg/L	48 h	crustacea	/	/	/
n-butyl acetate	EC_{50}	675 mg/L	72 h	algae	/	/	/
2-methoxy-1-methylethyl acetate	LC_{50}	100 mg/L	96 h	fish	*Oncorhynchus mykiss*	/	/
2-methoxy-1-methylethyl acetate	EC_{50}	500 mg/L	48 h	crustacea	/	/	/
aluminium powder (stabilised)	LC_{50}	> 218.64 mg/L	96 h	fish	*Pimephales promelas*	ASTM	
cellulose nitrate	LC_{50}	> 5000 mg/L	96 h	fish	*Brachydanio rerio*	/	/
xylene	EC_{50}	7.4 mg/L	48 h	crustacea	*Daphnia magna*	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
aluminium powder (stabilised)	NOEC	> 50 mg/l	96 h	fish	*Leuciscus idus*	/	/
aluminium powder (stabilised)	NOEC	0.169 mg/l	60 days	fish	/	/	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

No information.

12.3 Bioaccumulative potential

Partition coefficient

For components

Name	Media	value	Temperature °C	pH	Concentration	Method
butane	Octanol-water (log Pow)	2.98	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
2-methoxy-1-methylethyl acetate	organism	/	0.43	/	/	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

No information.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

For components

butane

This substance is not PBT-/vPvB..

2-methoxy-1-methylethyl acetate

Water hazard class 1 (Self-assessment): slightly hazardous for water

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapour.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information
No information.

Sewage disposal-relevant information
No information.

Other disposal recommendations
No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2 UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)			
2	2	2	2
			
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities 1 L Special provisions 190, 327, 344, 625 Packing Instructions P207, LP200 Special packing provisions PP87, RR6, L2 Transport category 2 Tunnel restriction code (D)	Limited quantities 1 L EmS F-D, S-U	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y203 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 30 kg G Packing Instructions (Pkg Inst) 203 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 kg Special provisions A145, A167, A802	Limited quantities 1 L
14.7 Maritime transport in bulk according to IMO instruments			
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Ingredients according to Regulation (EC) No 648/2004 on detergents
No information.

Special instructions
Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes
No information.

Key literature references and sources for data
No information.

Abbreviations and acronyms
ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology

IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H201 Explosive; mass explosion hazard.
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H261 In contact with water releases flammable gases.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
EUH066 Repeated exposure may cause skin dryness or cracking.