

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

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

1.1 Product identifier

Trade name : QUICK FRESH ACTIVE - 100 ML
Product code : 0893764650

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

Use of the Sub-stance/Mixture : Biocides
Detergent

1.3 Details of the supplier of the safety data sheet

Company : Adolf Wuerth GmbH & Co. KG
Reinhold-Würth-Str.
74653 Künzelsau

Telephone : +49 794015 0

Telefax : +49 794015 10 00

E-mail address of person responsible for the SDS : prodsafe@wuerth.com

1.4 Emergency telephone number

+49 30 30686 790

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1 H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.

Specific target organ toxicity - single exposure, Category 3 H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :  

Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.

Precautionary statements :

Prevention:

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 spray.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Hazardous components which must be listed on the label:
Dimethyl ether

Additional Labelling:

EUH208 Contains 1-Methyl 4-(1-Methylethenyl) Cyclohexene. May produce an allergic reaction.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

| Chemical name | CAS-No. EC-No. Registration number | Classification | Concentration (% w/w) |
|--|--|---|--------------------------|
| Ethanol | 64-17-5 200-578-6 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 20 - < 30 |
| 1-Methyl 4-(1-Methylethenyl) Cyclohexene | 5989-27-5 227-813-5 | Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | >= 0,1 - < 0,25 |
| Substances with a workplace exposure limit : | | | |
| Dimethyl ether | 115-10-6 204-065-8 | Flam. Gas 1; H220 Press. Gas Liquefied gas; H280 | >= 30 - < 50 |

QUICK FRESH ACTIVE - 100 ML

| | | | |
|----------------|------------------------------|-----------------------------|---|
| Version 1.3 | Revision Date: 11.03.2016 | SDS Number: 446389-00004 | Date of last issue: 02.03.2016 Date of first issue: 11.01.2016 |
|----------------|------------------------------|-----------------------------|---|

| |
|-----------------|
| STOT SE 3; H336 |
|-----------------|

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
- If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water.
Get medical attention if symptoms occur.
- In case of eye contact : Flush eyes with water as a precaution.
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : May cause drowsiness or dizziness.
May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : None known.

QUICK FRESH ACTIVE - 100 ML

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 02.03.2016 |
| 1.3 | 11.03.2016 | 446389-00004 | Date of first issue: 11.01.2016 |

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Flash back possible over considerable distance.
Vapours may form explosive mixtures with air.
Exposure to combustion products may be a hazard to health.
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

Hazardous combustion products : Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.
Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Environmental precautions : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapours/mists with a water spray jet.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items

QUICK FRESH ACTIVE - 100 ML

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 02.03.2016 |
| 1.3 | 11.03.2016 | 446389-00004 | Date of first issue: 11.01.2016 |

employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use with local exhaust ventilation.
Use only in an area equipped with explosion proof exhaust ventilation.
- Advice on safe handling : Do not breathe vapours or spray mist.
Do not swallow.
Avoid contact with eyes.
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Keep away from heat and sources of ignition.
Take precautionary measures against static discharges.
Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep in properly labelled containers. Store locked up. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Do not pierce or burn, even after use. Keep cool. Protect from sunlight.
- Advice on common storage : Do not store with the following product types:
Self-reactive substances and mixtures
Organic peroxides
Oxidizing agents
Flammable solids
Pyrophoric liquids
Pyrophoric solids
Self-heating substances and mixtures
Substances and mixtures, which in contact with water, emit flammable gases
Explosives
- Storage class (TRGS 510) : 2B, Aerosol cans and lighters

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|--|--|-------------------------------|--------------------------------------|-------------|
| Dimethyl ether | 115-10-6 | TWA | 1.000 ppm 1.920 mg/m ³ | 2000/39/EC |
| Further information | Indicative | | | |
| | | AGW | 1.000 ppm 1.900 mg/m ³ | DE TRGS 900 |
| Peak-limit: excursion factor (category) | 8;(II) | | | |
| Further information | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., European Union (The EU has established a limit value: deviations in value and peak limit are possible) | | | |
| Ethanol | 64-17-5 | AGW | 500 ppm 960 mg/m ³ | DE TRGS 900 |
| Peak-limit: excursion factor (category) | 2;(II) | | | |
| Further information | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| 1-Methyl 4-(1-Methylethenyl) Cyclohexene | 5989-27-5 | AGW | 5 ppm 28 mg/m ³ | DE TRGS 900 |
| Peak-limit: excursion factor (category) | 4;(II) | | | |
| Further information | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Substance sensitizing through the skin | | | |

Occupational exposure limits of decomposition products

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|---|--|-------------------------------|-----------------------------------|-------------|
| Formaldehyde | 50-00-0 | AGW | 0,3 ppm 0,37 mg/m ³ | DE TRGS 900 |
| Peak-limit: excursion factor (category) | 2;(I) | | | |
| Further information | Carcinogenic substance of category 1A/1B. When using this substance, § 10 of the 'Gefahrstoffverordnung' should be taken into account., Commission for | | | |

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

| | | | | |
|---|--|-----|----------------------------------|----------------|
| | dangerous substances, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Substance sensitizing through the skin | | | |
| Methanol | 67-56-1 | TWA | 200 ppm 260 mg/m ³ | 2006/15/EC |
| Further information | Indicative, Identifies the possibility of significant uptake through the skin | | | |
| | | AGW | 200 ppm 270 mg/m ³ | DE TRGS 900 |
| Peak-limit: excursion factor (category) | 4;(II) | | | |
| Further information | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., European Union (The EU has established a limit value: deviations in value and peak limit are possible), Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|--|-----------|-----------------|----------------------------|--------------------------|
| Dimethyl ether | Workers | Inhalation | Long-term systemic effects | 1894 mg/m ³ |
| | Consumers | Inhalation | Long-term systemic effects | 471 mg/m ³ |
| Ethanol | Workers | Inhalation | Acute local effects | 1900 mg/m ³ |
| | Workers | Skin contact | Long-term systemic effects | 343 mg/kg bw/day |
| | Workers | Inhalation | Long-term systemic effects | 950 mg/m ³ |
| | Consumers | Inhalation | Acute local effects | 950 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 206 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 114 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 87 mg/kg bw/day |
| | Workers | Inhalation | Long-term systemic effects | 33,3 mg/m ³ |
| 1-Methyl 4-(1-Methylethenyl) Cyclohexene | Workers | Skin contact | Acute local effects | 0,222 mg/cm ² |
| | Consumers | Inhalation | Long-term systemic effects | 8,33 mg/m ³ |
| | Consumers | Skin contact | Acute local effects | 0,111 mg/cm ² |
| | Consumers | Ingestion | Long-term systemic effects | 4,76 mg/kg bw/day |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|----------------|---------------------------|-------------|
| Dimethyl ether | Fresh water | 0,155 mg/l |
| | Marine water | 0,016 mg/l |
| | Intermittent use/release | 1,549 mg/l |
| | Sewage treatment plant | 160 mg/l |
| | Fresh water sediment | 0,681 mg/kg |

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

| | | |
|--|----------------------------|-----------------|
| | Marine sediment | 0,069 mg/kg |
| | Soil | 0,045 mg/kg |
| Ethanol | Fresh water | 0,96 mg/l |
| | Marine water | 0,79 mg/l |
| | Intermittent use/release | 2,75 mg/l |
| | Sewage treatment plant | 580 mg/l |
| | Fresh water sediment | 3,6 mg/kg |
| | Marine sediment | 2,9 mg/kg |
| | Soil | 0,63 mg/kg |
| | Oral (Secondary Poisoning) | 720 mg/kg food |
| 1-Methyl 4-(1-Methylethenyl) Cyclohexene | Fresh water | 0,0054 mg/l |
| | Marine water | 0,00054 mg/l |
| | Sewage treatment plant | 1,8 mg/l |
| | Fresh water sediment | 1,32 mg/kg |
| | Marine sediment | 0,13 mg/kg |
| | Soil | 0,262 mg/kg |
| | Oral (Secondary Poisoning) | 3,33 mg/kg food |

8.2 Exposure controls

Engineering measures

Processing may form hazardous compounds (see section 10).
Minimize workplace exposure concentrations.
Use only in an area equipped with explosion proof exhaust ventilation.
Use with local exhaust ventilation.

Personal protective equipment

Eye protection : Wear the following personal protective equipment:
Safety goggles

Hand protection

Material : Nitrile rubber
Break through time : 480 min
Glove thickness : 0,4 mm

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Skin and body protection : Wear the following personal protective equipment:
Flame retardant antistatic protective clothing.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Self-contained breathing apparatus

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | |
|---|---|--|
| Appearance | : | Aerosol containing a liquefied gas |
| Propellant | : | Dimethyl ether |
| Colour | : | light grey |
| Odour | : | citrus |
| Odour Threshold | : | No data available |
| pH | : | 8 (20 °C) |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | -24,82 °C |
| Flash point | : | 12 °C |
| Evaporation rate | : | Not applicable |
| Flammability (solid, gas) | : | Extremely flammable aerosol. |
| Upper explosion limit | : | 32 %(V) |
| Lower explosion limit | : | 2,7 %(V) |
| Vapour pressure | : | 510 hPa (20 °C) |
| Relative vapour density | : | Not applicable |
| Density | : | 0,77 g/cm ³ (20 °C) |
| Solubility(ies) Water solubility | : | insoluble |
| Partition coefficient: n-octanol/water | : | Not applicable |
| Auto-ignition temperature | : | 235 °C |
| Decomposition temperature | : | No data available |
| Viscosity Viscosity, dynamic | : | Not applicable |
| Explosive properties | : | Not explosive |
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on data from similar materials

Dimethyl ether:

Acute inhalation toxicity : LC50 (Rat): 164000 ppm
Exposure time: 4 h
Test atmosphere: gas

Skin corrosion/irritation

Not classified based on available information.

Components:

Ethanol:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Species: Rabbit
Result: Skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Ethanol:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Irritation to eyes, reversing within 21 days

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Ethanol:

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

Test Type: Local lymph node assay (LLNA)
Exposure routes: Skin contact
Species: Mouse
Result: negative

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Test Type: Local lymph node assay (LLNA)
Exposure routes: Skin contact
Species: Mouse
Result: positive

Assessment: Probability or evidence of low to moderate skin sensitisation rate in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

Ethanol:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
Species: Mouse
Application Route: Ingestion
Result: negative

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Genotoxicity in vivo : Test Type: Transgenic rodent somatic cell gene mutation assay
Species: Rat
Application Route: Ingestion
Result: negative

Dimethyl ether:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: Sex-linked recessive lethal test in *Drosophila melanogaster* (in vivo)
Application Route: inhalation (gas)
Method: OECD Test Guideline 477
Result: negative

Carcinogenicity

Not classified based on available information.

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

Components:

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Species: Mouse
Application Route: Ingestion
Exposure time: 103 weeks
Result: negative

Dimethyl ether:

Species: Rat
Application Route: inhalation (vapour)
Exposure time: 2 Years
Method: OECD Test Guideline 453
Result: negative

Reproductive toxicity

Not classified based on available information.

Components:

Ethanol:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Mouse
Application Route: Ingestion
Method: OECD Test Guideline 416
Result: negative

Dimethyl ether:

Effects on foetal development : Test Type: Embryo-foetal development
Species: Rat
Application Route: inhalation (vapour)
Method: OECD Test Guideline 414
Result: negative

STOT - single exposure

May cause drowsiness or dizziness.

Components:

Dimethyl ether:

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Ethanol:

Species: Rat
NOAEL: 2.400 mg/kg

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

Application Route: Ingestion
Exposure time: 2 yr

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Species: Rat
NOAEL: 600 mg/kg
Application Route: Ingestion
Exposure time: 13 Weeks

Aspiration toxicity

Not classified based on available information.

Components:

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Ethanol:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1.000 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
aquatic invertebrates Exposure time: 48 h
- Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 32,1 mg/l
Exposure time: 0,25 h
- Toxicity to daphnia and other : NOEC: 9,6 mg/l
aquatic invertebrates (Chron- Exposure time: 9 d
ic toxicity) Species: Daphnia magna (Water flea)

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0,72 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0,36 mg/l
aquatic invertebrates Exposure time: 48 h
- Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 150 mg/l
Exposure time: 72 h

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

Test substance: Water Accommodated Fraction
Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

Dimethyl ether:

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): > 4,1 g/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 4,4 g/l
Exposure time: 48 h

Toxicity to bacteria : EC10 (Pseudomonas putida): > 1.600 mg/l

12.2 Persistence and degradability

Components:

Ethanol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 84 %
Exposure time: 20 d

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 80 %
Exposure time: 28 d
Remarks: Based on data from similar materials

Dimethyl ether:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 5 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

12.3 Bioaccumulative potential

Components:

Ethanol:

Partition coefficient: n-octanol/water : log Pow: -0,35

1-Methyl 4-(1-Methylethenyl) Cyclohexene:

Partition coefficient: n-octanol/water : log Pow: 4,38

Dimethyl ether:

Partition coefficient: n-octanol/water : log Pow: 0,2

QUICK FRESH ACTIVE - 100 ML

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 02.03.2016 |
| 1.3 | 11.03.2016 | 446389-00004 | Date of first issue: 11.01.2016 |

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Dispose of in accordance with local regulations.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Empty containers retain residue and can be dangerous.
Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.
If not otherwise specified: Dispose of as unused product.
Please ensure aerosol cans are sprayed completely empty (including propellant)
- Waste Code : The following Waste Codes are only suggestions:
- used product
160306, organic wastes other than those mentioned in 16 03 05
 - unused product
160306, organic wastes other than those mentioned in 16 03 05
 - uncleaned packagings
150104, metallic packaging

SECTION 14: Transport information

14.1 UN number

- ADN : UN 1950
- ADR : UN 1950
- RID : UN 1950

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

IMDG : UN 1950

IATA : UN 1950

14.2 UN proper shipping name

ADN : AEROSOLS

ADR : AEROSOLS

RID : AEROSOLS

IMDG : AEROSOLS

IATA : Aerosols, flammable

14.3 Transport hazard class(es)

ADN : 2.1

ADR : 2.1

RID : 2.1

IMDG : 2.1

IATA : 2.1

14.4 Packing group

ADN

Packing group : Not assigned by regulation

Classification Code : 5F

Labels : 2.1

ADR

Packing group : Not assigned by regulation

Classification Code : 5F

Labels : 2.1

Tunnel restriction code : (D)

RID

Packing group : Not assigned by regulation

Classification Code : 5F

Hazard Identification Number : 23

Labels : 2.1

IMDG

Packing group : Not assigned by regulation

Labels : 2.1

EmS Code : F-D, S-U

IATA (Cargo)

Packing instruction (cargo aircraft) : 203

Packing instruction (LQ) : Y203

Packing group : Not assigned by regulation

Labels : Flammable Gas

IATA (Passenger)

Packing instruction (passenger aircraft) : 203

QUICK FRESH ACTIVE - 100 ML

Version 1.3 Revision Date: 11.03.2016 SDS Number: 446389-00004 Date of last issue: 02.03.2016
Date of first issue: 11.01.2016

Packing instruction (LQ) : Y203
Packing group : Not assigned by regulation
Labels : Flammable Gas

14.5 Environmental hazards

ADN
Environmentally hazardous : no

ADR
Environmentally hazardous : no

RID
Environmentally hazardous : no

IMDG
Marine pollutant : no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

| | | Quantity 1 | Quantity 2 |
|-----|---|------------|------------|
| P3a | FLAMMABLE AEROSOLS | 150 t | 500 t |
| 34 | Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar | 2.500 t | 25.000 t |

QUICK FRESH ACTIVE - 100 ML

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 02.03.2016 |
| 1.3 | 11.03.2016 | 446389-00004 | Date of first issue: 11.01.2016 |

properties as regards
flammability and environ-
mental hazards as the
products referred to in
points (a) to (d)

- Water contaminating class (Germany) : WGK 1 slightly water endangering
Classification according VwVwS, Annex 4.
- Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial
emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 70,2 %, 540,8 g/l
Remarks: VOC content excluding water
- according to Detergents Regulation EC 648/2004 : less than 5 %: Anionic surfactants
Other constituents: Perfumes
Preservation agents:
SODIUM BENZOATE
Allergens:
LINALOOL
LIMONENE
CITRAL
CITRONELLOL
- Other regulations : Take note of Directive 94/33/EC on the protection of young
people at work or stricter national regulations, where applica-
ble.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Full text of H-Statements

- H220 : Extremely flammable gas.
H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

- Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Eye Irrit. : Eye irritation
Flam. Gas : Flammable gases

QUICK FRESH ACTIVE - 100 ML

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 02.03.2016 |
| 1.3 | 11.03.2016 | 446389-00004 | Date of first issue: 11.01.2016 |

| | |
|-------------------|--|
| Flam. Liq. | : Flammable liquids |
| Press. Gas | : Gases under pressure |
| Skin Irrit. | : Skin irritation |
| Skin Sens. | : Skin sensitisation |
| STOT SE | : Specific target organ toxicity - single exposure |
| 2000/39/EC | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| 2006/15/EC | : Europe. Indicative occupational exposure limit values |
| DE TRGS 900 | : Germany. TRGS 900 - Occupational exposure limit values. |
| 2000/39/EC / TWA | : Limit Value - eight hours |
| 2006/15/EC / TWA | : Limit Value - eight hours |
| DE TRGS 900 / AGW | : Time Weighted Average |

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

QUICK FRESH ACTIVE - 100 ML

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 02.03.2016 |
| 1.3 | 11.03.2016 | 446389-00004 | Date of first issue: 11.01.2016 |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

DE / EN