

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

**Revision date:** 24 Jun 2025

**Print date:** 24 Jun 2025

**Version:** 4



Page 1/13

## Fast Fix Aktivator 50ml

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

#### 1.1. Product identifier

**Trade name/designation:**

Fast Fix Aktivator 50ml

**Article No.:**

T501010

**UFI:**

TV8H-SCEK-C30V-GRXE

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

**Use of the substance/mixture:**

Activator

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

**Supplier:**

**KANDO Service GmbH**

Hartleitnerstraße 3

4653 Eberstälzell

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
aerosol dispensers and lighters ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Carcinogenicity ( <i>Carc. 1B</i> )	H350: May cause cancer.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 2</i> )	H411: Toxic to aquatic life with long lasting effects.	
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 2/13

## Fast Fix Aktivator 50ml

### \* 2.2. Label elements

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

Hazard pictograms:



**GHS08**  
Health hazard



**GHS09**  
Environment



**GHS07**  
Exclamation mark



**GHS02**  
Flame

Signal word: Danger

Hazard components for labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane

#### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

#### Hazard statements for health hazards

H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.

#### Hazard statements for environmental hazards

H411	Toxic to aquatic life with long lasting effects.
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Supplemental hazard information: none

#### 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.
P260	Do not breathe mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.

#### Precautionary statements Response

P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/ if you feel unwell.

#### Precautionary statements Storage

P403	Store in a well-ventilated place.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Precautionary statements Disposal

P501	Dispose of the contents / container in accordance with local / regional / national / international regulations.
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Additional information:

Restricted to professional users.

Formation of explosive mixtures possible without adequate ventilation.

### \* 2.3. Other hazards

Other adverse effects:

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 3/13

## Fast Fix Aktivator 50ml






### SECTION 3: Composition/information on ingredients

#### \* 3.2. Mixtures

##### Additional information:

Aerosols and containers fitted with a solid nebuliser containing substances or mixtures classified as hazardous by aspiration must not be labelled for this hazard.

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 921-024-6 REACH No.: 01-2119475514-35	<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), STOT SE 3 (H336), Skin Irrit. 2 (H315)  Danger <b>Acute Toxicity Estimate</b> ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,920 mg/kg ATE (inhalation, gases) > 20 ppmV ATE (inhalation, vapour) > 25.2 mg/L	50 - < 75 %
CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH No.: 01-2119474691-32	<b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> Flam. Gas 1A (H220), Press. Gas (Liq.) (H280)  Danger	10 - < 25 %
CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH No.: 01-2119486944-21	<b>propane</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger <b>Acute Toxicity Estimate</b> ATE (oral) 5,840 mg/kg ATE (dermal) 13,900 mg/kg ATE (inhalation, gases) > 25 ppmV ATE (inhalation, vapour) ≥ 50 mg/L	10 - < 25 %
CAS No.: 75-28-5 EC No.: 200-857-2 REACH No.: 01-2119485395-27	<b>Isobutane (with &lt; 0.1 % butadiene (203-450-8))</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger	2.5 - < 10 %
CAS No.: 99-97-8 EC No.: 202-805-4 REACH No.: 01-2119956633-31	<b>N,N-dimethyl-p-toluidine</b> Acute Tox. 3 (H301, H311), Acute Tox. 4 (H332), Aquatic Chronic 3 (H412), Carc. 1B (H350), STOT RE 2 (H373)  Danger <b>Acute Toxicity Estimate</b> ATE (oral) 100 mg/kg ATE (dermal) 300 mg/kg ATE (inhalation, vapour) 11 mg/L ATE (inhalation, dust/mist) 1.5 mg/L	0.1 - < 1 %

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Following inhalation:

If unconscious, position and transport in stable lateral position.

##### In case of skin contact:

Wash off immediately with soap and water and rinse well.

##### After eye contact:

Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist

##### Following ingestion:

Do not induce vomiting, seek medical help immediately.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

**Revision date:** 24 Jun 2025

**Print date:** 24 Jun 2025

**Version:** 4



Page 4/13

## Fast Fix Aktivator 50ml

### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Water mist, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), alcohol resistant foam

#### Unsuitable extinguishing media:

Water in full jet

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

Special protective equipment: Put on breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Wear protective equipment. Keep unprotected persons away.

#### 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:

Do not wash away with water or aqueous detergents.

#### Other information:

Provide adequate ventilation.

### 6.4. Reference to other sections

Further information on proper storage: see section 7.

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:

Ensure good ventilation/extraction at the workplace.

##### Fire prevent measures:

Do not spray against a flame or on a glowing object. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Container is under pressure. Protect from sunlight and temperatures above 50°C (e.g. from incandescent lamps). Do not open by force or burn even after use.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels:

Store in a cool place. The official regulations for the storage of pressurised gas packages must be observed.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 5/13

## Fast Fix Aktivator 50ml

### Hints on storage assembly:

The official regulations for the storage of pressurised gas packages must be observed.

**Storage class (TRGS 510, Germany):** 2B – Aerosol dispensers and lighters

### Further information on storage conditions:

Store in a cool, dry place in well-sealed containers. Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

#### Recommendation:

No further relevant information available.

## 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
MAK (AT)	<b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7	① 800 ppm (1,900 mg/m <sup>3</sup> )
MAK (AT)	<b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7	② 1,600 ppm (3,800 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	② 2,000 ppm (3,600 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	① 1,000 ppm (1,800 mg/m <sup>3</sup> )
MAK (AT)	<b>Isobutane (with &lt; 0.1 % butadiene (203-450-8))</b> CAS No.: 75-28-5 EC No.: 200-857-2	② 1,600 ppm (3,800 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./SchichtMomentanwert)
MAK (AT)	<b>Isobutane (with &lt; 0.1 % butadiene (203-450-8))</b> CAS No.: 75-28-5 EC No.: 200-857-2	① 800 ppm (1,900 mg/m <sup>3</sup> )

#### 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
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6	2,035 mg/m <sup>3</sup>	① DNEL worker ② Long-term – inhalation, systemic effects
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6	608 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term – inhalation, systemic effects
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6	773 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6	300 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

**Revision date:** 24 Jun 2025

**Print date:** 24 Jun 2025

**Version:** 4



Page 6/13

## Fast Fix Aktivator 50ml

Substance name	DNEL value	① DNEL type ② Exposure route
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	699 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	699 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No further details. See section 7.

#### 8.2.2. Personal protection equipment



##### Eye/face protection:

Safety goggles (EN-166)

##### Skin protection:

Hand protection:

Wear gloves for protection against chemicals according to EN 374.

Gloves / solvent resistant; Selection of glove material considering breakthrough times, permeation rates and degradation.

Glove material: The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

NBR (Nitrile rubber); Recommended material thickness:  $\geq 0,5$  mm

Penetration time of the glove material: For continuous contact we recommend gloves with a breakthrough time of at least 240 minutes, with the preference for a breakthrough time greater than 480 minutes. For short term or splash protection we recommend the same. We are aware that suitable gloves offering this protection are not available. In this case, a shorter breakthrough time is permissible, provided the procedures for maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance the gloves give against a chemical substance, as this depends on the exact composition of the material of the gloves. The exact breakthrough time should be checked with the glove manufacturer and adhered to.

Body protection:

Use protective suit. (EN-13034/6)

It is recommended to wear antistatic, chemical and oil-resistant clothing and safety shoes that completely cover the skin. (EN1149; EN340&EN ISO 13688; EN13034-6).

##### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Filter ABEK-P2

##### Other protection measures:

General protective and hygienic measures: Keep away from food, drink and animal feed. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. General ventilation.

#### 8.2.3. Environmental exposure controls

Use a suitable container to prevent environmental pollution.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Form:** Aerosol

**Odour:** characteristic

**Colour:** According to product designation

**flammability:** No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 7/13

## Fast Fix Aktivator 50ml

### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</i>		② Mixture is not polar/aprotic.
Melting point	<i>No data available</i>		
Freezing point	<i>No data available</i>		
Initial boiling point and boiling range	-44.5 °C		
Flash point	-97 °C		
Evaporation rate	<i>No data available</i>		
Auto-ignition temperature	> 200 °C		
Upper/lower flammability or explosive limits	0.8 – 10.9 Vol-%		
Vapour pressure	3,100 hPa	20 °C	② < 6500 hPa (50°C)
Vapour density	<i>No data available</i>		
Density	0.638 g/cm <sup>3</sup>	20 °C	
Bulk density	<i>not applicable</i>		
Water solubility	Immiscible		
Dynamic viscosity	<i>No data available</i>		
Kinematic viscosity	≤ 20.5 mm <sup>2</sup> /s	40 °C	

### \* 9.2. Other information

The product is not self-igniting. The product is not explosive, but the formation of explosive vapour/air mixtures is possible. formation of explosive vapour/air mixtures is possible.

Organic solvents: 99,8 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

Thermal decomposition / Conditions to avoid: No decomposition when used as directed.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

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

#### Toxicological information

Mixture related information	
LD <sub>50</sub> oral:	35,000 mg/kg
LD <sub>50</sub> dermal:	75,025 mg/kg
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane EC No.: 921-024-6	
LD <sub>50</sub> oral:	>5,000 mg/kg (Rat) OECD 401
LD <sub>50</sub> dermal:	>2,920 mg/kg (Rabbit)
LC <sub>50</sub> Acute inhalation toxicity (gas):	>20 ppmV 4 h (Rat) OECD 403
LC <sub>50</sub> Acute inhalation toxicity (vapour):	>25.2 mg/L 4 h (Rat)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 8/13

## Fast Fix Aktivator 50ml

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

**LD<sub>50</sub> oral:** 5,840 mg/kg (Rat)

**LD<sub>50</sub> dermal:** 13,900 mg/kg (Rabbit)

**LC<sub>50</sub> Acute inhalation toxicity (gas):** >25 ppmV 4 h (Rat)

**LC<sub>50</sub> Acute inhalation toxicity (vapour):** ≥50 mg/L 4 h (Rat)

### Acute oral toxicity:

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

### Acute dermal toxicity:

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

### Acute inhalation toxicity:

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

### Skin corrosion/irritation:

Causes skin irritation.

### Serious eye damage/irritation:

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

### 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:

May cause cancer.

### Reproductive toxicity:

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

### STOT-single exposure:

May cause drowsiness or dizziness.

### STOT-repeated exposure:

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

### Aspiration hazard:

May be fatal if swallowed and enters airways.

## 11.2. Information on other hazards

### Endocrine disrupting properties:

None of the ingredients are included.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, <5% n-hexane** EC No.: 921-024-6

**LC<sub>50</sub>:** 11.4 mg/L 4 d (fish, *Oncorhynchus mykiss*) OECD 203

**EC<sub>50</sub>:** 3 mg/L 2 d (crustaceans, *Daphnia magna*) OECD 202

**NOEC:** 0.17 mg/L 21 d (crustaceans, *Daphnia magna*)

**LOEC:** 0.32 mg/L 21 d (crustaceans, *Daphnia magna*)

**EC<sub>50</sub>:** 30 - 100 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata*)

**LC<sub>50</sub>:** >1 - 10 mg/L 4 d (fish, *Pimephales promelas*)

**EC<sub>50</sub>:** >1 - 10 mg/L 2 d (crustaceans, *Daphnia magna*)

**NOEC:** 2.045 mg/L 28 d (fish, *Oncorhynchus mykiss*)

**NOEC:** 1 mg/L 21 d (crustaceans, *Daphnia magna*) OECD 211

**ErC<sub>50</sub>:** 10 - 30 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata*) OECD 201

**LOEC:** 0.32 mg/L 21 d (*Daphnia magna*)

**LC<sub>50</sub>:** 11.4 mg/L 4 d (fish)



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 9/13

## Fast Fix Aktivator 50ml

<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>LC<sub>50</sub></b> : 9,640 mg/L 4 d (fish, Pimephales promelas)
<b>LC<sub>50</sub></b> : 0.41 mg/L 4 d (fish, Oncorhynchus mykiss)
<b>LC<sub>50</sub></b> : 49.9 mg/L 4 d (fish)
<b>EC<sub>50</sub></b> : >100 mg/L (Algae/water plant, Bacteria)
<b>EC<sub>50</sub></b> : 0.17 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)
<b>EC<sub>50</sub></b> : 69.43 mg/L 2 d (crustaceans, Daphnia) Calculation with the ECOSAR programme v1.00.
<b>NOEC</b> : 0.017 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
<b>ErC<sub>50</sub></b> : 19.37 mg/L 4 d (Algae/water plant, Algae) Calculation with the ECOSAR programme v1.00.
<b>LOEC</b> : 1,000 mg/L (Algae/water plant, Algae)
<b>LOEC</b> : 1,000 mg/L (Algae/water plant, Alge)
<b>IC<sub>50</sub></b> : 11.3 mg/L 3 d (Algae/water plant)

### 12.2. Persistence and degradability

<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6
<b>Biodegradation</b> : Yes, rapidly
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Biodegradation</b> : Yes, rapidly

### 12.3. Bioaccumulative potential

<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6
<b>Log K<sub>ow</sub></b> : 5.2
<b>Bioconcentration factor (BCF)</b> : 250
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Log K<sub>ow</sub></b> : 1.09

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, &lt;5% n-hexane</b> EC No.: 921-024-6
<b>Results of PBT and vPvB assessment</b> : —
<b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Results of PBT and vPvB assessment</b> : —
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Results of PBT and vPvB assessment</b> : —
<b>N,N-dimethyl-p-toluidine</b> CAS No.: 99-97-8 EC No.: 202-805-4
<b>Results of PBT and vPvB assessment</b> : —

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

### 12.6. Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

### \* 12.7. Other adverse effects

water hazard class 3: highly hazardous to water

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Drinking water hazard even when small quantities leak into the subsoil.

Also toxic to fish and plankton in water.

Toxic to aquatic life.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4

Page 10/13



## Fast Fix Aktivator 50ml

### SECTION 13: Disposal considerations

#### \* 13.1. Waste treatment methods

Must not be disposed of together with household waste. Do not allow to enter drains/surface water/ground water.

##### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

07 01 04 *	other organic solvents, washing liquids and mother liquors
20 01 99	Other fractions not otherwise specified

\*: Evidence for disposal must be provided.

#### Directive 2008/98/EC (Waste Framework Directive)

HP 3	Flammable
HP 4	Irritant — skin irritation and eye damage
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 7	carcinogenic
HP 14	Ecotoxic

#### Waste treatment options

##### Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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#### 14.1. UN number or ID number

UN 1950	UN 1950	UN 1950	UN 1950
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#### 14.2. UN proper shipping name

AEROSOLS, ENVIRONMENTALLY HAZARDOUS	AEROSOLS, ENVIRONMENTALLY HAZARDOUS	AEROSOLS, MARINE POLLUTANT (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)	AEROSOLS, Flammable
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#### 14.3. Transport hazard class(es)

 2.1	 2.1	 2.1	 2.1
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#### 14.4. Packing group

		-	
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#### 14.5. Environmental hazards

		 MARINE POLLUTANT	
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#### \* 14.6. Special precautions for user

<b>Excepted Quantities (EQ):</b> E0 <b>Classification code:</b> 5F <b>Tunnel restriction code:</b> (D) <b>Remark:</b> Attention: Gases Transport category 2	<b>Classification code:</b> - <b>Remark:</b> Attention: Gases	<b>Limited quantity (LQ):</b> 1L <b>Excepted Quantities (EQ):</b> E0 <b>EmS-No.:</b> F-D,S-U <b>Remark:</b> Attention: Gases Stowage Code:	<b>Remark:</b> Attention: Gases
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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

**Revision date:** 24 Jun 2025

**Print date:** 24 Jun 2025

**Version:** 4

Page 11/13



## Fast Fix Aktivator 50ml

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
		SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.	

### 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

##### Restrictions on use:

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients are included.

Quantity threshold (in tons) for use in lower class farms 150t

Quantity threshold (in tons) for use in upper-tier establishments 500t

Regulation (EC) No 1907/2006 ANNEX XVII: Restriction conditions: 3, 28

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II: None of the ingredients are included.

Regulation (EU) 2019/1148

Annex I - RESTRICTED EXPORT SUBSTANCES FOR EXPLOSIVES (upper concentration limit for a permit pursuant to Article 5(3)): None of the ingredients are included.

Annex II - EXPLOSIVES REPORTABLE FOR EXPLOSIVES: None of the ingredients are included.

Regulation (EC) No 273/2004 on drug precursors: None of the ingredients are included.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries: None of the ingredients are included.

##### Other regulations (EU):

Hazard categories:

- P3a 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids
- E2 Hazardous to the Aquatic Environment in Category Chronic 2

Named dangerous substances:

- Liquefied flammable gases, Category 1 or 2 (including liquefied petroleum gas) and natural gas

##### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 636.5 g/L

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 24 Jun 2025

Print date: 24 Jun 2025

Version: 4



Page 12/13

## Fast Fix Aktivator 50ml

### 15.1.2. National regulations

No data available

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1. Indication of changes

2.1.	Classification of the substance or mixture
2.2.	Label elements
2.3.	Other hazards
3.2.	Mixtures
9.1.	Information on basic physical and chemical properties
9.2.	Other information
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.7.	Other adverse effects
13.1.	Waste treatment methods
14.6.	Special precautions for user
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture

### 16.2. Abbreviations and acronyms

No data available

### 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
aerosol dispensers and lighters ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Carcinogenicity ( <i>Carc. 1B</i> )	H350: May cause cancer.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 2</i> )	H411: Toxic to aquatic life with long lasting effects.	
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	

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

Hazard statements	
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

**Revision date:** 24 Jun 2025

**Print date:** 24 Jun 2025

**Version:** 4



Page 13/13

## Fast Fix Aktivator 50ml

Hazard statements	
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 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.