

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
ETOKAT AKTIV AERO FS26307 PA**

Regulation (EU) n. 2020/878

Safety Data Sheet date: 22/7/2024, version 1**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: ETOKAT AKTIV AERO FS26307 PA
SDS code: 103223EU
UFI: CXXS-EFA8-MK9Q-MD7V

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

Recommended use:

Industrial uses
Paint/Coating

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

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France
-Tel. +33 (0)2 97 43 76 90

Manufacturing - Parc Gohelis - 56250 ELVEN France - Tel +33 (0)2 97 43 76 83 - Fax +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

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Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59

International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****EC regulation criteria 1272/2008 (CLP)**

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

DECL10: This titanium dioxide-containing product is not classified as carcinogen by inhalation

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because it does not meet the criteria stated in Note 10, Annex VI of Regulation (EC) 1272/2008.
 Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P370+P378 In case of fire: Use dry sand, chemical powder or alcohol-resistant foam for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Contains

4,4'-Isopropylidenediphenol and epichlorhydrine (MWt > 700) copolymer
 butan-1-ol; n-butanol

Xylene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 3: Composition/information on ingredients

3.1. Substances

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N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:







Qty	Name	Ident. Number	Classification
>= 20% - < 25%	4,4'- Isopropylidenediphenol and epichlorhydine (MWt > 700) copolymer	CAS: 25036-25-3	<ul style="list-style-type: none"> ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.4.2/1 Skin Sens. 1 H317
>= 10% - < 12.5%	Titanium dioxide	CAS: 13463-67-7 EC: 236-675-5 REACH No.: 01- 2119489379 -17	The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).
>= 10% - < 12.5%	Xylene	CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01- 2119488216 -32	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.9/2 STOT RE 2 H373 4.1/C3 Aquatic Chronic 3 H412 <p>Acute Toxicity Estimate: ATE - Dermal 1100 mg/kg bw ATE - Inhalation (Vapours) 11 mg/l ATE - Inhalation (Dust/mist) 1,5 mg/l ATE - Inhalation (Gas) 5000 ppmV</p>
>= 10% - < 12.5%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 REACH No.: 01- 2119457435 -35	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336 <p>Acute Toxicity Estimate: ATE - Oral 3739 mg/kg bw ATE - Dermal 2001 mg/kg bw ATE - Inhalation (Vapours) 30,02 mg/l</p>
>= 3% - < 5%	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 01- 2119489370	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 4.1/C3 Aquatic Chronic 3 H412

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			-35	<ul style="list-style-type: none"> ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.9/2 STOT RE 2 H373 (hearing organs) ⚠ 3.10/1 Asp. Tox. 1 H304 <p>Acute Toxicity Estimate: ATE - Inhalation (Vapours) 11 mg/l</p>
>= 3% - < 5%	butan-1-ol; n-butanol	Index number: CAS: EC: REACH No.:	603-004-00-6 71-36-3 200-751-6 01-2119484630-38	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.8/3 STOT SE 3 H336 ⚠ 3.1/4/Oral Acute Tox. 4 H302 <p>Acute Toxicity Estimate: ATE - Oral 500 mg/kg bw ATE - Dermal 3430 mg/kg bw ATE - Inhalation (Dust/mist) 17,76 mg/l</p>
>= 3% - < 5%	2-methoxy-1-methylethyl acetate	Index number: CAS: EC: REACH No.:	607-195-00-7 108-65-6 203-603-9 01-2119475791-29	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336 <p>EUH066</p>
>= 0.001% - < 0.1%	n-butyl acetate	Index number: CAS: EC: REACH No.:	607-025-00-1 123-86-4 204-658-1 01-2119485493-29	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336 <p>EUH066</p>
>= 0.001% - < 0.1%	(2-Methoxymethylethoxy)propanol	Index number: CAS: EC: REACH No.:	603_998_97_1 34590-94-8 252-104-2 01-2119450011-60	Substance with a Union workplace exposure limit.
>= 0.001% - < 0.1%	toluene	Index number: CAS: EC:	601-021-00-3 108-88-3 203-625-9	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.7/2 Repr. 2 H361d ⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.9/2 STOT RE 2 H373

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		REACH No.: 01- 2119471310 -51	 3.2/2 Skin Irrit. 2 H315  3.8/3 STOT SE 3 H336 4.1/C3 Aquatic Chronic 3 H412
>= 0.001% - < 0.1%	methyl methacrylate; methyl 2-methylprop-2- enoate; methyl 2- methylpropenoate	Index number: CAS: EC:	607-035-00-6  2.6/2 Flam. Liq. 2 H225  3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂)

Dry powder

Foam.

Extinguishing media which must not be used for safety reasons:

High power water jet

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

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Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Occupational exposure limit values

Titanium dioxide - CAS: 13463-67-7

- OEL Type: ACGIH - TWA(8h): 0.2 mg/m³ - Notes: Nanoscale particles; (R); A3 - LRT irr, pneumoconiosis
- OEL Type: National - TWA: 10 mg/m³ - Notes: France (a,TiO₂)
- OEL Type: National - TWA: 5 mg/m³ - Notes: France (a,dust)
- OEL Type: National - TWA: 10 mg/m³ - Notes: Belgium
- OEL Type: National - TWA: 4 mg/m³ - STEL: 12 mg/m³ - Notes: UK
- OEL Type: National - TWA: 10 mg/m³ - Notes: Spain
- OEL Type: National - TWA: 10 mg/m³ - Notes: Portugal
- OEL Type: National - TWA: 6 mg/m³ - Notes: Denmark
- OEL Type: National - TWA: 5 mg/m³ - STEL: 10 mg/m³ - Notes: Austria
- OEL Type: National - TWA: 3 mg/m³ - Notes: Switzerland
- OEL Type: National - TWA: 10 mg/m³ - STEL: 30 mg/m³ - Notes: Poland
- OEL Type: National - TWA: 10 mg/m³ - STEL: 5 mg/m³ - Notes: Norway
- OEL Type: National - TWA: 12 mg/m³ - STEL: 4 mg/m³ - Notes: Ireland
- OEL Type: National - TWA: 5 mg/m³ - Notes: Swedish (NGV) ; Biologiska gränsvärden för yrkesexponering
- OEL Type: ACGIH - TWA(8h): 2.5 mg/m³ - Notes: Finescale particles; (R); A3 - LRT irr, pneumoconiosis

Xylene - CAS: 1330-20-7

- OEL Type: National - TWA(8h): 221 mg/m³, 50 ppm - STEL(15min (Miw)): 442 mg/m³, 100 ppm - Behaviour: Binding - Notes: France VLEC - TMP N° 4Bis, 84
- OEL Type: National - TWA(8h): 440 mg/m³, 100 ppm - Notes: Germany - DFG, H
- OEL Type: National - TWA(8h): 220 mg/m³, 50 ppm - STEL: 441 mg/m³, 100 ppm - Notes: UK (WELs)
- OEL Type: EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair
- OEL Type: National - TWA: 435 mg/m³, 100 ppm - STEL: 870 mg/m³, 200 ppm - Notes: Swiss - SUVA
- OEL Type: National - TWA: 221 mg/m³, 50 ppm - STEL(15min (Miw)): 442 mg/m³, 100 ppm - Notes: Österreich

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

- OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Behaviour: Binding - Notes: France VLEC - INRS TMP N°84
- OEL Type: National - TWA: 370 mg/m³, 100 ppm - Notes: Germany
- OEL Type: National - TWA: 180 mg/m³ - STEL: 360 mg/m³ - Notes: Poland
- OEL Type: EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr
- OEL Type: National - TWA: 187 mg/m³, 50 ppm - STEL(15min (Miw)): 187 mg/m³, 50 ppm - Notes: Austria
- OEL Type: National - TWA(8h): 375 mg/m³, 100 ppm - STEL(15min (Miw)): 560 mg/m³, 150 ppm - Notes: United Kingdom - Skin

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- OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Notes: Canada (Gazette Officielle du Québec, January 4, 2023, Vol. 155, No.1)
 - OEL Type: National - TWA: 180 mg/m³, 50 ppm - Notes: Norway (skin)
 - OEL Type: DOW IHG - TWA: 1.5 ppm - STEL: 4.5 ppm
- ethylbenzene - CAS: 100-41-4
- OEL Type: National - TWA(8h): 88.4 mg/m³, 20 ppm - Notes: Germany - EU, H
 - OEL Type: National - TWA(8h): 88.4 mg/m³, 20 ppm - STEL: 442 mg/m³, 100 ppm - Notes: France VLEC - TMP N° 84
 - OEL Type: National - TWA(8h): 441 mg/m³, 100 ppm - STEL: 552 mg/m³, 125 ppm - Notes: UK (WELs)
 - OEL Type: EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin
 - OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair
 - OEL Type: National - STEL: 220 mg/m³ - Notes: Swiss
 - OEL Type: MAK - TWA: 440 mg/m³, 100 ppm - STEL(5 min (Mow)): 880 mg/m³, 200 ppm - Notes: Osterreich
- butan-1-ol; n-butanol - CAS: 71-36-3
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr
 - OEL Type: National - STEL: 150 mg/m³, 50 ppm - Notes: France
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm
 - OEL Type: National - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Behaviour: Binding - Notes: France VLEPC
 - OEL Type: National - TWA(8h): 270 mg/m³, 50 ppm - Notes: GERMANY
 - OEL Type: National - TWA(8h): 274 mg/m³, 50 ppm - STEL: 548 mg/m³, 100 ppm - Notes: UK (WELs)
 - OEL Type: National - TWA: 260 mg/m³ - STEL: 520 mg/m³ - Notes: POLAND
 - OEL Type: EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin
 - OEL Type: AIHA
- TWA: 50 ppm
- OEL Type: National - TWA: 275 mg/m³, 50 ppm - STEL(5 min (Mow)): 550 mg/m³, 100 ppm - Notes: Osterreich
 - OEL Type: National - TWA: 270 mg/m³, 50 ppm - Notes: Norway (Skin)
- n-butyl acetate - CAS: 123-86-4
- OEL Type: National - TWA: 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm - Behaviour: Binding - Notes: France, VLEPC
 - OEL Type: National - TWA: 150 ppm - STEL: 200 ppm - Notes: United Kingdom
 - OEL Type: National - TWA(8h): 300 mg/m³, 62 ppm - Notes: Germany
 - OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
 - OEL Type: National - TWA(8h): 238 mg/m³, 50 ppm - STEL: 712 mg/m³, 150 ppm - Notes: BELGIQUE
 - OEL Type: National - TWA(8h): 480 mg/m³, 99 ppm - Notes: PAYS-BAS
 - OEL Type: National - TWA: 480 mg/m³, 100 ppm - STEL(Mow): 480 mg/m³, 100 ppm -

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Notes: Österreich

- OEL Type: EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm
(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8
- OEL Type: National - TWA(8h): 310 mg/m³ - Notes: Germany - Notes DFG, EU
- OEL Type: National - TWA(8h): 308 mg/m³, 50 ppm - Behaviour: Binding - Notes: France VLEC - TMP N° 84 (peau)
- OEL Type: EU - TWA(8h): 308 mg/m³, 50 ppm - Notes: Skin
- OEL Type: National - TWA: 270 mg/m³ - STEL: 550 mg/m³ - Notes: Czech Republic
- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Liver & CNS eff
- OEL Type: National - TWA(8h): 308 mg/m³, 50 ppm - Notes: UK - Skin
- OEL Type: National - TWA: 307 mg/m³, 50 ppm - STEL(5 min (Mow)): 614 mg/m³, 100 ppm - Notes: Österreich
- OEL Type: National - TWA: 308 mg/m³, 50 ppm - Notes: TWA Poland
- OEL Type: National - TWA: 240 mg/m³ - STEL: 480 mg/m³ - Notes: Poland (NDS, NDSch)
- toluene - CAS: 108-88-3
- OEL Type: National - TWA(8h): 190 mg/m³ - Notes: Germany - DFG, H, Y
- OEL Type: National - TWA(8h): 76.8 mg/m³, 20 ppm - STEL(15min (Miw)): 384 mg/m³, 100 ppm - Behaviour: Binding - Notes: France VLEC - TMP N° 4bis, 84 ; peau
- OEL Type: EU - TWA(8h): 192 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: Skin
- OEL Type: National - TWA: 191 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: UK (WELs)
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A4; BEI - CNS, visual & hearing impair; female repro system eff; pregnancy loss
- OEL Type: MAK - TWA: 190 mg/m³, 50 ppm - STEL(15min (Miw)): 380 mg/m³, 100 ppm - Notes: Osterreich
- methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
- OEL Type: EU - TWA(8h): 50 ppm - STEL: 100 ppm
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: DSEN, A4 - URT and eye irr, body weight eff, pulm edema
- OEL Type: National - TWA: 205 mg/m³, 50 ppm - STEL: 410 mg/m³, 100 ppm - Behaviour: Binding - Notes: France

DNEL Exposure Limit Values

Titanium dioxide - CAS: 13463-67-7

Worker Industry: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 700 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Xylene - CAS: 1330-20-7

Worker Professional: 289 mg/m³ - Consumer: 174 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 289 mg/m³ - Consumer: 174 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 180 mg/kg b.w./day - Consumer: 108 mg/kg - Exposure: Human

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Dermal - Frequency: Long Term, systemic effects

Worker Professional: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Worker Industry: 369 mg/m³ - Consumer: 43.9 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Worker Industry: 50.6 mg/kg b.w./day - Consumer: 18.1 mg/kg b.w./day - Exposure:
Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 553.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term
(acute)

ethylbenzene - CAS: 100-41-4

Worker Industry: 77 mg/m³ - Consumer: 15 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 180 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 293 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

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

Worker Industry: 310 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term
(repeated) - Notes: 100 ppm

Consumer: 3125 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated) -
Notes: 1 day

Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 796 mg/kg b.w./day - Consumer: 320 mg/kg b.w./day - Exposure: Human
Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Consumer: 36 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 550 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects

n-butyl acetate - CAS: 123-86-4

Worker Industry: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency:
Long Term, systemic effects

Worker Industry: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human Inhalation -
Frequency: Short Term, systemic effects

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Worker Industry: 11 mg/kg - Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Worker Industry: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Worker Industry: 65 mg/kg b.w./day - Consumer: 15 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 310 mg/m³ - Consumer: 37.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

toluene - CAS: 108-88-3

Worker Professional: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 192 mg/m³ - Consumer: 56.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 180 mg/kg - Consumer: 226 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 8.13 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

PNEC Exposure Limit Values

Titanium dioxide - CAS: 13463-67-7

Target: Fresh Water - Value: 0.184 mg/l

Target: Fresh water - temporary - Value: 0.61 mg/l

Target: Marine water - Value: 0.0184 mg/l

Target: Sewage treatment plant - Value: 100 mg/l

Target: Freshwater sediments - Value: 1000 mg/kg dw

Target: Marine water sediments - Value: 100 mg/kg dw

Target: Soil - Value: 100 mg/kg dw

Xylene - CAS: 1330-20-7

Target: Marine water - Value: 0.327 mg/l - Notes:: evaluation factor : 1

Target: Marine water sediments - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 mg/kg

Target: Microorganisms in sewage treatments - Value: 6.58 mg/l

Target: Soil - Value: 2.31 mg/kg - Notes:: Assessment factor/ 1 / ECHA

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Target: Fresh Water - Value: 10 mg/l

Target: Freshwater sediments - Value: 41.6 mg/kg

Target: Marine water sediments - Value: 4.17 mg/kg

Target: Soil (agricultural) - Value: 2.47 mg/kg

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Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Marine water - Value: 1 mg/l
 Target: Water (intermittent discharge) - Value: 100 mg/l

ethylbenzene - CAS: 100-41-4
 Target: Marine water - Value: 0.01 mg/l - Notes:: factor assessment : 10
 Target: Marine water - Value: 0.1 mg/l - Notes:: factor assessment : 18
 Target: PNEC predator - Value: 2.68 mg/kg - Notes:: ECHA

butan-1-ol; n-butanol - CAS: 71-36-3
 Target: Fresh Water - Value: 0.082 mg/l
 Target: Marine water - Value: 0.0082 mg/l
 Target: Freshwater sediments - Value: 0.178 mg/kg
 Target: Marine water sediments - Value: 0.0178 mg/kg
 Target: Soil (agricultural) - Value: 0.015 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 Target: Fresh Water - Value: 0.635 mg/l
 Target: Marine water - Value: 0.0635 mg/l
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Freshwater sediments - Value: 3.29 mg/kg dw
 Target: Marine water sediments - Value: 0.329 mg/kg dw
 Target: Soil - Value: 0.29 mg/kg
 Target: PNEC intermittent - Value: 6.35 mg/l

n-butyl acetate - CAS: 123-86-4
 Target: Fresh Water - Value: 0.18 mg/l
 Target: Marine water - Value: 0.018 mg/l
 Target: Freshwater sediments - Value: 0.981 mg/kg
 Target: Water (intermittent discharge) - Value: 0.36 mg/l
 Target: Marine water sediments - Value: 0.0981 mg/kg
 Target: Soil - Value: 0.0903 mg/kg
 Target: Microorganisms in sewage treatments - Value: 35.6 mg/l

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8
 Target: Fresh Water - Value: 19 mg/l
 Target: Marine water - Value: 1.9 mg/l
 Target: Microorganisms in sewage treatments - Value: 4168 mg/l
 Target: Freshwater sediments - Value: 70.2 mg/kg - Notes:: mg/kg p.s.
 Target: Marine water sediments - Value: 7.02 mg/kg - Notes:: mg/kg p.s.
 Target: Soil (agricultural) - Value: 2.74 mg/kg - Notes:: mg/kg p.s.
 Target: Water (intermittent discharge) - Value: 190 mg/l

toluene - CAS: 108-88-3
 Target: Fresh Water - Value: 0.68 mg/l
 Target: Freshwater sediments - Value: 16.39 mg/kg
 Target: Soil (agricultural) - Value: 2.89 mg/kg
 Target: Microorganisms in sewage treatments - Value: 13.61 mg/l

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
 Target: Fresh Water - Value: 0.94 mg/l
 Target: Marine water - Value: 0.094 mg/l

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Target: Soil - Value: 1.47 mg/kg

Biological Exposure Index

Xylene - CAS: 1330-20-7

Value: 1.5 g/g - medium: Urinary creatinine - Biological Indicator: Methyl hippuric acid in urine - Sampling Period: End of turn - Remark: ACGIH BEL (2009)

Value: 1.500 mg/g - medium: Urinary creatinine - Biological Indicator: Methyl hippuric acid in urine - Sampling Period: End of turn - Remark: FR IBE (1997)

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

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

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Grey	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	> 36 °C	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	~ 23 °C	--	--

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Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	Not Relevant	--	--
pH:	Not Relevant	--	--
Kinematic viscosity:	> 20,5 mm ² /sec (40 °C)	--	--
Solubility in water:	Immiscible	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	< 1.000 hPa (50 °C)	--	--
Density and/or relative density:	~ 1.51 g/cm ³ (23 °C)	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 27.39 %

Volatile Organic compounds - VOCs = 413.59 g/l

N.A. = not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

None.

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
ETOKAT AKTIV AERO FS26307 PA****SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Toxicological information of the product:

ETOKAT AKTIV AERO FS26307 PA

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

ATEmix - Oral 13888,9 mg/kg bw

ATEmix - Dermal 10357,7 mg/kg bw

ATEmix - Inhalation (Vapours) 72,0833 mg/l

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

Respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

STOT-repeated exposure

The product is classified: STOT RE 2 H373

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

4,4'-Isopropylidenediphenol and epichlorohydrine (MWt > 700) copolymer - CAS: 25036-25-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Titanium dioxide - CAS: 13463-67-7

Acute toxicity:

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

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 6.82 mg/l - Duration: 4h

STOT-repeated exposure:

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ETOKAT AKTIV AERO FS26307 PA**

Test: NOAEL - Route: Oral - Species: Rat (Male, female) > 1000 mg/kg - Duration: 90 Jours - Source: OECD 408 - Subchronic toxicity

Test: NOAEL - Route: Oral - Species: Rat (male) = 24000 mg/kg - Duration: 29 days - Source: OECD 407 - Subchronic toxicity

Xylene - CAS: 1330-20-7

Acute toxicity

ATE - Dermal 1100 mg/kg bw

ATE - Inhalation (Vapours) 11 mg/l

ATE - Inhalation (Dust/mist) 1,5 mg/l

ATE - Inhalation (Gas) 5000 ppmV

Test: LC50 - Route: Inhalation - Species: Rat = 5000 ppm - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 27124 mg/m³ - Duration: 4h

Test: ATE - Route: Skin = 1100 mg/kg bw

Test: ATE - Route: Inhalation Vapour = 11 mg/l

Test: ATE - Route: Inhalation (dust, mist) = 1.5 mg/l

Test: ATE - Route: Inhalation Gas = 5000 ppmV

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Acute toxicity

ATE - Oral 3739 mg/kg bw

ATE - Dermal 2001 mg/kg bw

ATE - Inhalation (Vapours) 30,02 mg/l

Test: LD50 - Route: Oral - Species: Rat (male) = 3739 mg/kg - Source: OECD 401

Test: LD50 - Route: Oral - Species: Rat (female) = 4277 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Vapour - Species: Rat (Male, female) = 30.02 mg/l - Duration: 4h - Source: OECD 403

Test: ATE - Route: Oral = 3739 mg/kg

Test: ATE - Route: Inhalation Vapour = 30.02 mg/l - Duration: 4h

ethylbenzene - CAS: 100-41-4

Acute toxicity

ATE - Inhalation (Vapours) 11 mg/l

Test: LD50 - Route: Skin - Species: Rabbit = 4100 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 20 mg/l - Duration: 4h

Test: LCL0 - Route: Inhalation - Species: Rat = 4000 ppm - Duration: 4h

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

Acute toxicity

ATE - Oral 500 mg/kg bw

ATE - Dermal 3430 mg/kg bw

ATE - Inhalation (Dust/mist) 17,76 mg/l

Test: LD50 - Route: Oral - Species: Rat (Male, female) = 2292 mg/kg - Source: OECD, 401

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
ETOKAT AKTIV AERO FS26307 PA**

Test: ATE - Route: Oral = 500 mg/kg

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

Test: ATE - Route: Skin = 3430 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 17.76 mg/l - Duration: 4h - Source: OECD, 403

Test: ATE - Route: Inhalation (dust, mist) = 17.76 mg/l

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: OECD 402

Test: LC0 - Route: Inhalation Vapour - Species: Rabbit = 23.5 mg/l - Source: OECD 403

Test: ATE - Route: Oral > 5000 mg/kg

Test: ATE - Route: Inhalation Vapour > 23.5 mg/l - Duration: 6 hours

Test: ATE - Route: Skin > 5000 mg/kg

n-butyl acetate - CAS: 123-86-4

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 10736 mg/kg

Test: LC50 - Route: Inhalation Dust - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Mist - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation (aerosol) - Species: Rabbit (male, female) = 0.74 mg/l - Duration: 4h - Source: OECD 403

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 21.1 mg/l - Duration: 4h - Source: OECD 403

Test: LC0 - Route: Inhalation Vapour - Species: Rat > 38.32 mg/l - Duration: 6 hours

Reproductive toxicity:

Test: LOAEC - Route: Inhalation Vapour - Species: Rat = 1500 ppm - Source: OECD 414

Test: NOAEC - Route: Inhalation Vapour - Species: mouse (Male, female) = 2000 ppm - Duration: 90 Jours - Source: OECD 416

STOT-repeated exposure:

Test: NOAEC - Route: Inhalation - Species: Rat (Male, female) = 500 ppm - Duration: 13 weeks - Source: EPA OTS 798.2450

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 125 mg/kg bw/day - Duration: 13 weeks

Test: LOAEL

- Route: Oral - Species: mouse (Male, female) = 500 mg/kg bw/day - Duration: 13 days

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Acute toxicity

ATE - Oral 5001 mg/kg bw

ATE - Dermal 9510 mg/kg bw

ATE - Inhalation (Vapours) 3,35 mg/l

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

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ETOKAT AKTIV AERO FS26307 PA

Test: LC50 - Route: Inhalation - Species: Rat = 3350 mg/m³ - Notes: aerosol, 7h

Test: ATE - Route: Oral > 5000 mg/kg

Test: ATE - Route: Inhalation Vapour = 3.35 mg/l - Duration: 7h

Test: ATE - Route: Skin = 9510 mg/kg

toluene - CAS: 108-88-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5580 mg/kg

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

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 28.1 mg/l - Duration: 4h

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

Other toxicological information:

Xylene

Skin contact:

Irritating effect

Ingestion:

Ingestion may cause irritation of the digestive tract, nausea, vomiting and diarrhea, abdominal pain.

Harmful by inhalation.

-

butan-1-ol; n-butanol

Skin corrosion/skin irritation:

Irritating to skin.

Rabbit, Result: Irritant, OECD Guideline 404

Rabbit, Result: Risk of serious eye damage, OECD Guideline 405.

-

toluene

Skin contact:

Irritating effect

Eye contact:

Irritating effect

Inhalation of high concentration of vapours may cause irritation of the respiratory system.

Inhalation of high concentration vapours causes a narcotic reaction on the central nervous system, and severe lung damage.

Ingestion may cause irritation of the digestive tract, nausea, vomiting and diarrhea, abdominal pain.

Risk of central nervous system depression.

SECTION 12: Ecological information

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

ETOKAT AKTIV AERO FS26307 PA

12.1. Toxicity

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

ETOKAT AKTIV AERO FS26307 PA

Not classified for environmental hazards

Based on available data, the classification criteria are not met

Titanium dioxide - CAS: 13463-67-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: OECD 203 ; Oncorhynchus mykiss

Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: OECD 202 ; Daphnia magna

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: OECD 201 ; Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae >= 100 mg/l - Duration h: 72 - Notes: OECD 201 ; Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: bacteria > 1000 mg/l - Duration h: 3 - Notes: OECD 209 - Activated sludge

Xylene - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 24

Endpoint: LC50 - Species: Daphnia < 1000 mg/l - Duration h: 24

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 1.0 mg/l - Duration h: 48

Endpoint: TLM - Species: Fish = 22 ppm - Duration h: 96 - Notes: Crapet Arlequin

Endpoint: IC50 - Species: Algae = 2.2 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 72

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Leuciscus idus, LC/EC/IC50

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Algae > 1000 mg/l - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Fish < 4600 mg/l - Duration h: 96 - Notes: Leuciscus idus

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 1.37 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia < 4.4 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1 mg/l

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1730 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 1983 mg/l - Duration h: 48

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Aquatic plants > 1000 mg/l - Duration h: 72 - Notes: Selenastrum capricornutum, OECD 201

Endpoint: LC50 - Species: Fish = 134 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss, OECD 203

Endpoint: EC50 - Species: Invertebrates > 500 mg/l - Duration h: 48 - Notes: Daphnia magna

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: Oryzias latipes, OECD 204

Endpoint: NOEC - Species: Invertebrates > 100 mg/l - Duration h: 504 - Notes: Daphnia magna, OECD 202

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 647.7 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

Endpoint: NOEC - Species: Algae = 200 mg/l - Notes: Desmodesmus subspicatus

Endpoint: EC50 - Species: Aquatic plants = 397 mg/l - Duration h: 72 - Notes: DIN 38412 Part. 9, Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: OECD 203, Pimephales promelas

Endpoint: EC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: ErC50 - Species: Aquatic plants = 397 mg/l - Duration h: 72 - Notes: OECD 201, Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 23 mg/l - Duration h: 504 - Notes: OCDE 211

Endpoint: NOEC - Species: Aquatic plants = 196 mg/l - Duration h: 72 - Notes: OECD 201, Pseudokirchneriella subcapitata

Endpoint: IC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: TETRATOX assay, Tetrahymena pyriformis

d) Terrestrial toxicity:

Endpoint: EC50 > 1000 mg/kg - Duration h: 336 - Notes: Lactuca sativa

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 96 - Notes: Crangon crangon

Endpoint: EC50 - Species: Algae > 969 mg/l

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia > 0.5 mg/l - Duration h: 528 - Notes: LOEC: > 0,5 mg/l, 22 days

e) Plant toxicity:

Endpoint: NOEC = 250000 mg/l

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 134 mg/l - Duration h: 3 - Notes: Chlorella vulgaris

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Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 5.5 mg/l - Duration h: 96 - Notes: Oncorhynchus kisutch

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.74 mg/l - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: NOEC - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Skeletonema costatum

Endpoint: EC50 - Species: Daphnia = 3.23 mg/l - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: LOEC

- Species: Daphnia = 2.76 mg/kg/d - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: NOEC - Species: Fish = 1.39 mg/l - Duration h: 960 - Notes: Oncorhynchus kisutch

Endpoint: LOEC

- Species: Fish = 2.77 mg/l - Duration h: 960 - Notes: Oncorhynchus kisutch

c) Bacteria toxicity:

Endpoint: NOEC - Species: bacteria = 29 mg/l - Duration h: 16 - Notes: pseudomonas putida methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 170 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish \geq 125.5 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish \leq 190.7 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish \geq 153.9 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: LC50 - Species: Fish \leq 341.8 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia Magna = 69 mg/l - Duration h: 48

12.2. Persistence and degradability

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Biodegradability: Readily biodegradable

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

Biodegradability: Readily biodegradable - Duration: 19 days - %: > 70% - Notes: Aerobic

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Biological oxygen demand (BOD) - Test: OECD 301F - Duration: 28 days - %: 83% - Notes: ISO 9408; 92/69/CEE, C.4-D

n-butyl acetate - CAS: 123-86-4

Biodegradability: Biodegradability rate - Test: OECD 301D - Duration: 5 days - %: 83% - Notes: CEE 92/69, C.4-E

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Biodegradability: Biodegradability rate - Test: OECD 301F - Duration: 28 days - %: 75

Biodegradability: Biodegradability rate - Test: OECD 302B - Duration: 13 days - %: 93

toluene - CAS: 108-88-3

Biodegradability: Readily biodegradable - Duration: 14 days - %: 100

12.3. Bioaccumulative potential

Xylene - CAS: 1330-20-7

Low bioconcentration potential

Log Pow 3.12

BCF 8.1 - 25.9

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Log Pow 0.37

ethylbenzene - CAS: 100-41-4

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ETOKAT AKTIV AERO FS26307 PA

Log Kow 3.15

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

BCF < 100

Log Pow < 3

n-butyl acetate - CAS: 123-86-4

BCF 15.3

Log Kow 2.3 - Notes: 25 °C

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Log Pow 1.01

BCF < 100

toluene - CAS: 108-88-3

BCF 90

Log Pow 2.65

12.4. Mobility in soil

n-butyl acetate - CAS: 123-86-4

Log Koc 1.268

Volatility (H: Henry's Law Constant) 28.5 Pa.m³/mol - Notes: 25 °C

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

No harmful effects expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

08 01 11* wastes of paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT

IATA-Shipping Name: PAINT

IMDG-Shipping Name: PAINT

14.3. Transport hazard class(es)

ADR-Class: 3

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ADR - Hazard identification number: 30

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

IMDG-EmS: F-E , S-E

14.6. Special precautions for user

ADR-Subsidiary hazards: -

ADR-S.P.: 163 367 650

ADR-Transport category (Tunnel restriction code): 3 (D/E)

IATA-Passenger Aircraft: 355

IATA-Subsidiary hazards: -

IATA-Cargo Aircraft: 366

IATA-S.P.: A3 A72 A192

IATA-ERG: 3L

IMDG-Subsidiary hazards: -

IMDG-Stowage and handling: Category A

IMDG-Segregation: -

Q.L.: 5L

Q.E.: E1

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

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Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3
Restriction 40

Restrictions related to the substances contained:

Restriction 48
Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1
Product belongs to category: P5c

15.2. Chemical safety assessment

No

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SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

H336 May cause drowsiness or dizziness.

H225 Highly flammable liquid and vapour.

H373 (hearing organs) May cause damage to organs (hearing organs) through prolonged or repeated exposure.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

EUH066 Repeated exposure may cause skin dryness or cracking.

H361d Suspected of damaging the unborn child.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Repr. 2	3.7/2	Reproductive toxicity, Category 2

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STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

(EC) 1272/2008 [CLP] Yönetmeliğine göre karışımların sınıflandırmasını elde etmek için kullanılan sınıflandırma ve prosedür:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT RE 2, H373	Calculation method

Due to the integration of the Mader Aero products range into the Socomore Group, all Safety Data Sheets have been re-evaluated on the basis of consolidated information. This may have led to significant changes in our Safety Data Sheets. If you have any questions regarding these changes, you can contact us at the address indicated in section 1.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

Important confidentiality : this document contains confidential information that is proprietary to SOCOMORE. Subject to legal provisions determining otherwise, the distribution, republication or re-transmission of this document, in full or in part, must be limited to clearly identified individuals, either because they use the product, or to provide HSE information. Any communication of this document outside of this framework without our written consent is strictly forbidden.

SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and

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completeness of this information with regards to their specific use of the product.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.