

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

1.1. Product identifier

Product form : Mixture
Name : TOPKLEAN EL 20-A
Product code : 050051500
Type of product : Detergent

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning product for use in electronic industry

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

INVENTEC PERFORMANCE CHEMICALS SA
20 rue de Bourgogne
P.O. Box CS 10165
69800 SAINT-PRIEST - France
T +33 (0) 4 72 28 13 00 - F +33 (0) 4 72 28 13 41
ContactFDS@inventec.dehon.com

Other

FRIGOGAZ Climalife kft Hungary
Villányi út 47
1118 Budaörs - Hungary
T (36) 23 431 660 - F (36) 23 431 661
ContactFDS@inventec.dehon.com

Other

INVENTEC PERFORMANCE CHEMICALS ESPAÑA
Perez Pujol, 4 - 2º
46002 Valencia - Spain
T (34) 96 353 51 93 - F (34) 96 353 51 92
ContactFDS@inventec.dehon.com

Other

INVENTEC PERFORMANCE CHEMICALS ITALIA S.R.L.
Via Pusterla, 8
20013 Magenta - Milano - Italia
T (39) 02 48 40 12 06 - F (39) 02 48 46 13 41
ContactFDS@inventec.dehon.com

Other

DKF GERMANY / INVENTEC
Robert - Bosch - Strasse 14
40668 Meerbusch - Germany
T +49 (0)21 50 70 73 00 - F + 49 (0)21 50 70 73 17
ContactFDS@inventec.dehon.com

Other

INVENTEC PERFORMANCE CHEMICALS Switzerland
Z.I. Petits Champs 15 Yverdon Sud
CH-1400 Yverdon-les-Bains - Switzerland
T 41(0) 24 424 80 90 - F 41(0) 24 424 80 99
ContactFDS@inventec.dehon.com

Other

INVENTEC Performance Chemicals Netherlands BV
Van Konijnenburgweg 84
4612 PL Bergen op zoom - Netherlands
T (31) 164 212 840 - F (31) 164 212 841
ContactFDS@inventec.dehon.com

1.4. Emergency telephone number

Emergency number : +33 (0) 1 72 11 00 03

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315
Eye Irrit. 2 H319
Asp. Tox. 1 H304

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS08

Signal word (CLP)

: Danger

Hazardous ingredients

: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP)

: H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P501 - Dispose of contents, container to State or local regulations.

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other hazards not contributing to the classification : Combustible liquid.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics	(CAS-No.) 1174522-15-6 (EC-No.) 927-285-2 (REACH-no) 01-2119480162-45	50 - 90	Asp. Tox. 1, H304
2-methylpentane-2,4-diol	(CAS-No.) 107-41-5 (EC-No.) 203-489-0 (EC Index-No.) 603-053-00-3 (REACH-no) 01-2119539582-35	5 - 10	Eye Irrit. 2, H319 Skin Irrit. 2, H315
(2-methoxymethylethoxy) propanol substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (AT, BE, BG, CH, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, LT, LV, MT, NL, NO, PL, PT, RO, SE)	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	5 - 10	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Seek medical attention if ill effect develops.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophtalmologist if irritation persists.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after skin contact : Irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : Risk of lung oedema.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Alcohol-resistant foam.

Unsuitable extinguishing media : Strong water jet.

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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate area. Evacuate the danger area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spilled material with sand or earth. Keep recovered product for subsequent disposal.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. May form flammable vapour-air mixture. Avoid the build-up of electrostatic charge.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep container tightly closed.

Storage conditions : Store in a well-ventilated place. Keep cool.

Incompatible materials : Strong oxidizing agents. Strong acids.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TOPKLEAN EL 20-A		
EU	Local name	Orthophosphoric acid
EU	IOELV TWA (mg/m³)	1 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	2 mg/m³
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Croatia	Local name	fosforna kiselina; (Ortofosforna)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	2 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	25 ppm
Croatia	Naznake (HR)	C (nagrizajuće); EU* (naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2000/39/ EC (prva lista))

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Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13)
Gibraltar	Eight hours mg/m ³	1 mg/m ³
Gibraltar	Eight hours ppm	50 ppm
Gibraltar	Short-term mg/m ³	2 mg/m ³
Gibraltar	Name of agent	Orthophosphoric acid
Gibraltar	Notation	Skin
Gibraltar	Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Ireland	Local name	Orthophosphoric acid
Ireland	OEL (8 hours ref) (mg/m ³)	1 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m ³)	2 mg/m ³
Ireland	OEL (15 min ref) (ppm)	25 ppm
Ireland	Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
Italy	Local name	Acido ortofosforico
Italy	OEL TWA (mg/m ³)	1 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Italy	OEL STEL (mg/m ³)	2 mg/m ³
Italy	Notes	pelle
Italy	Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia	Local name	Fosforskābe (ortofosforskābe)
Latvia	OEL TWA (mg/m ³)	1 mg/m ³
Latvia	OEL TWA (ppm)	50 ppm
Latvia	OEL STEL (mg/m ³)	2 mg/m ³
Latvia	Regulatory reference	Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325
Luxembourg	Local name	Acide phosphorique
Luxembourg	OEL TWA (mg/m ³)	1 mg/m ³
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	2 mg/m ³
Luxembourg	Regulatory reference	Mémorial A N° 684 de 2018
Malta	Local name	Orthophosphoric acid
Malta	OEL TWA (mg/m ³)	1 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m ³)	2 mg/m ³
Malta	Regulatory reference	S.L.424.24 (L.N.57 of 2018)
Romania	Local name	Acid ortofosforic
Romania	OEL TWA (mg/m ³)	1 mg/m ³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m ³)	2 mg/m ³
Romania	Regulatory reference	Hotărârea nr. 584/2018
Slovenia	Local name	fosforjeva kislina

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Slovenia	OEL TWA (mg/m³)	1 mg/m³
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	KTV factor SL	2
Slovenia	Regulatory reference	Uradni list RS, št. 38/2015 z dne 4.6.2015
Spain	Local name	Ácido ortofosfórico
Spain	VLA-ED (mg/m³)	1 mg/m³
Spain	VLA-ED (ppm)	50 ppm
Spain	VLA-EC (mg/m³)	2 mg/m³
Spain	VLA-EC (ppm)	25 ppm
Spain	Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltase: Base de datos de productos biocidas: http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas Base de datos de productos fitosanitarios http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf).
Spain	Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2018. INSHT

2-methylpentane-2,4-diol (107-41-5)

France	VLE (mg/m³)	125 mg/m³
France	VLE (ppm)	25 ppm
Germany	TRGS 910 Acceptable concentration notes	

(2-methoxymethylethoxy) propanol (34590-94-8)

EU	Local name	(2-Methoxymethylethoxy)-propanol
EU	IOELV TWA (mg/m³)	308 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	Notes	Skin
Austria	Local name	Dipropylenglykolmonomethylether (Isomerenmisch)
Austria	MAK (mg/m³)	307 mg/m³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m³)	614 mg/m³
Austria	MAK Short time value (ppm)	100 ppm
Austria	Remark (AT)	H
Belgium	Local name	Dipropylèneglycolmonométhyléther
Belgium	Limit value (mg/m³)	308 mg/m³
Belgium	Limit value (ppm)	50 ppm
Belgium	Remark (BE)	D
Bulgaria	Local name	пропанол•
Bulgaria	OEL TWA (mg/m³)	308 mg/m³
Czech Republic	Local name	propanol(2-Methoxymethylethoxy)-(technická směs isomer)
Czech Republic	Expoziční limity (PEL) (mg/m³)	270 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	44,6 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	550 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	90,8 ppm

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(2-methoxymethylethoxy) propanol (34590-94-8)		
Czech Republic	Remark (CZ)	D
Denmark	Local name	Dipropylenglycolmethylether (1994)
Denmark	Grænseværdie (langvarig) (mg/m³)	300 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Denmark	Anmærkninger (DK)	EH
Estonia	Local name	Dipropüleenglükooli monometüüleeter (2-etoksümetüületoksi)-propanool
Estonia	OEL TWA (mg/m³)	308 mg/m³
Estonia	OEL TWA (ppm)	50 ppm
Finland	Local name	(2-Metoksimeetylietoksi)- propanoli
Finland	HTP-arvo (8h) (mg/m³)	310 mg/m³
Finland	HTP-arvo (8h) (ppm)	50 ppm
France	Local name	(2-méthoxyméthylethoxy)-propanol
France	VME (mg/m³)	308 mg/m³
France	VME (ppm)	50 ppm
Germany	TRGS 900 Local name	(2-Methoxymethylethoxy)propanol(Isomerengemisch)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	310 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm
Germany	TRGS 900 Remark	DFG,EU
Germany	TRGS 910 Acceptable concentration notes	
Greece	OEL TWA (mg/m³)	600 mg/m³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m³)	900 mg/m³
Greece	OEL STEL (ppm)	150 ppm
Hungary	Local name	(2-METOXIMETILETOXI)-PROPANOL (Dipropilēnglikol-monometil-éter)
Hungary	AK-érték	308 mg/m³
Hungary	CK-érték	308 mg/m³
Hungary	Megjegyzések (HU)	EU1
Ireland	Local name	(2-Methoxymethylethoxy)-l-propanol
Ireland	OEL (8 hours ref) (mg/m³)	308 mg/m³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	(2-Metossimetilotossi)-propanolo
Italy	OEL TWA (mg/m³)	308 mg/m³
Italy	OEL TWA (ppm)	50 ppm
Latvia	Local name	Metoksiropoksi propanols (dipropilēnglikola monometilēteris,DPM)
Latvia	OEL TWA (mg/m³)	308 mg/m³
Latvia	OEL TWA (ppm)	50 ppm
Lithuania	Local name	2-(2-metoksiropoksi)-propanolis (2-etoksimetiletoksi)-propanolis, dipropilēnglikolio monometileteris
Lithuania	IPRV (mg/m³)	300 mg/m³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m³)	450 mg/m³
Lithuania	TPRV (ppm)	75 ppm

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(2-methoxymethylethoxy) propanol (34590-94-8)		
Lithuania	Remark (LT)	O
Malta	Local name	(2-Methoxymethylethoxy)-propanol
Malta	OEL TWA (mg/m³)	308 mg/m³
Malta	OEL TWA (ppm)	50 ppm
Netherlands	Local name	Dipropyleenglycolmethylether
Netherlands	Grenswaarde TGG 8H (mg/m³)	300 mg/m³
Poland	Local name	(2-Metoksymetyloetoksy)propanol
Poland	NDS (mg/m³)	240 mg/m³
Poland	NDSch (mg/m³)	480 mg/m³
Portugal	Local name	2-Metoximetiletoxipropanol (DPGME)
Portugal	OEL TWA (ppm)	100 ppm
Portugal	OEL STEL (ppm)	150 ppm
Romania	Local name	(2-metoximetiletoxi)-propanol
Romania	OEL TWA (mg/m³)	308 mg/m³
Romania	OEL TWA (ppm)	50 ppm
Slovenia	Local name	(2-metoksimetiletoksi)propanol (mešanica izomer)
Slovenia	OEL TWA (mg/m³)	308 mg/m³
Slovenia	OEL TWA (ppm)	50 ppm
Spain	Local name	Éter metílico de dipropilenglicol
Spain	VLA-ED (mg/m³)	308 mg/m³
Spain	VLA-ED (ppm)	50 ppm
Spain	Notes	Vía dérmica: (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
Sweden	Local name	Dipropylene glycol monomethyl ether
Sweden	nivågränsvärde (NVG) (mg/m³)	300 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	450 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	75 ppm
United Kingdom	Local name	(2-methoxymethylethoxy) propanol
United Kingdom	WEL TWA (mg/m³)	308 mg/m³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Norway	Local name	(2-Metoksymetyletoksy)-propanol
Norway	Grenseverdier (AN) (mg/m³)	300 mg/m³

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(2-methoxymethylethoxy) propanol (34590-94-8)		
Norway	Grenseverdier (AN) (ppm)	50 ppm
Norway	Merknader (NO)	H
Switzerland	Local name	Oxyde de dipropylèneglycolméthyle (mélange d'isomères)
Switzerland	MAK (mg/m³)	300 mg/m³
Switzerland	MAK (ppm)	50 ppm
Switzerland	KZGW (mg/m³)	300 mg/m³
Switzerland	KZGW (ppm)	50 ppm
Switzerland	Remark	15 min

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:
Solvent-resistant gloves
Eye protection:
Safety glasses with side shields
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: slight.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: 0,06
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 174 - 199 °C
Flash point	: 65 °C
Auto-ignition temperature	: 228 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Combustible liquid
Vapour pressure	: 100 Pa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,8 g/cm³
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 1,6 mm²/s
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive material according to EC criteria.
Oxidising properties	: Non oxidizing material according to EC criteria.
Lower explosive limit (LEL)	: 0,5 vol %
Upper explosive limit (UEL)	: 6,2 vol %

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat or source of heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

2-methylpentane-2,4-diol (107-41-5)

LD50 oral rat	2000 mg/kg
LD50 dermal rat	2000 mg/kg

(2-methoxymethylethoxy) propanol (34590-94-8)

LD50 oral rat	> 4000 mg/kg
LD50 dermal rabbit	9510 mg/kg

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic	1,6 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

2-methylpentane-2,4-diol (107-41-5)

LC50 fish 1	8,51 mg/l 96 Hours (Gambusia affinis)
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(2-methoxymethylethoxy) propanol (34590-94-8)

LC50 fish 1	10 mg/l 96 Hours (Pimephales promelas)
LC50 fish 2	> 1000 mg/l 96 Hours (Poecilia reticulata)
EC50 Daphnia 1	1919 mg/l 48 Hours (Daphnia magna)
EC50 72h algae (1)	1 mg/l (selenastrum capricornutum)

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EC50 96h algae (1)	> 969 mg/l (Pseudokirchneriella subcapitata)
12.2. Persistence and degradability	
(2-methoxymethylethoxy) propanol (34590-94-8)	
Persistence and degradability	77-84 % biodegradation after 28 days. Readily biodegradable.
12.3. Bioaccumulative potential	
(2-methoxymethylethoxy) propanol (34590-94-8)	
Log Pow	1,01
Bioaccumulative potential	Not potentially bioaccumulable.
12.4. Mobility in soil	
(2-methoxymethylethoxy) propanol (34590-94-8)	
Log Koc	0,28
12.5. Results of PBT and vPvB assessment	
Component	
(2-methoxymethylethoxy) propanol (34590-94-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
12.6. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Switzerland. OTD/OMoD ordinance : code 070104.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
14.1. UN number			
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			
14.6. Special precautions for user			

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

Detergent Regulation : Labelling of contents:	
Component	%
aliphatic hydrocarbons	>=30%

15.1.2. National regulations

France

Occupational diseases : RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : 2-methylpentane-2,4-diol is listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

All chapters have been modified since the previous version.

Full text of H- and EUH-statements:	
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.

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SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product