



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Safety data sheet according to Regulation (EC) 2020/878

Revision date 12/12/2023

Revision Number 3.11

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

1.1. Product identifier

Product Name Utility Range Screen & Multi-Purpose Wipes
Product Code(s) ASMPW100TUT, ZA
Safety data sheet number 02303
Pure substance/mixture Mixture

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

Recommended use Cleaning agent
Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

<u>Manufacturer</u>	<u>Supplier</u>
AF INTERNATIONAL MacDermid Alpha Electronics Solutions ASHBY PARK COALFIELD WAY ASHBY de la ZOUCH LEICESTERSHIRE. LE65 1JR UNITED KINGDOM	HK WENTWORTH LIMITED 32 RUE DE TOURNENFILS 91540 MENNECY FRANCE
+44 (0) 1530 419600 +44 (0) 1530 416640	+33 (0) 1 82 88 47 94
info@af-net.com	info@af-net.com

For further information, please contact

E-mail address info@af-net.com

1.4. Emergency telephone number

Emergency Telephone POISON INFORMATION CENTRE (Beaumont Hospital, Republic of Ireland only) +353 (0)1 809 2166 (08:00 - 22:00)

Emergency Telephone - IN CASE OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Additional information

Detergent labelling <5% perfumes, Contains lodopropynyl butylcarbamate

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

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

Acute Toxicity Estimate

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a doctor.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

Ingestion Rinse mouth.

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

Symptoms No information available.

Effects of Exposure None.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510) LGK 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *	TWA: 20 ppm TWA: 98 mg/m ³ STEL 40 ppm STEL 200 mg/m ³ H*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ D*	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³ K*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *
1-Methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ *	TWA: 50 ppm TWA: 187 mg/m ³ STEL 50 ppm STEL 187 mg/m ³ Ceiling: 50 ppm Ceiling: 187 mg/m ³ H*	TWA: 50 ppm TWA: 184 mg/m ³ STEL: 100 ppm STEL: 369 mg/m ³ D*	STEL: 150 ppm STEL: 568.0 mg/m ³ TWA: 100 ppm TWA: 375.0 mg/m ³ K*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	STEL: 15 ppm STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³
2-Methoxypropanol 1589-47-5	-	TWA: 20 ppm TWA: 75 mg/m ³ STEL 80 ppm STEL 300 mg/m ³ H*	-	-	-

Ethanol 64-17-5	-	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL 2000 ppm STEL 3800 mg/m ³	TWA: 1000 ppm TWA: 1907 mg/m ³	TWA: 1000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³
Diethyl phthalate 84-66-2	-	TWA: 3 mg/m ³ STEL 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5.0 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³
Citral 5392-40-5	-	-	TWA: 5 ppm TWA: 32 mg/m ³ D*	-	-
Pin-2(3)-ene 80-56-8	-	-	TWA: 20 ppm	-	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
2-Butoxyethanol 111-76-2	* STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	TWA: 100 mg/m ³ Ceiling: 200 mg/m ³ D*	TWA: 20 ppm TWA: 98 mg/m ³ H* STEL: 246 mg/m ³ STEL: 50 ppm	S+ TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ A*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ iho*
1-Methoxy-2-propanol 107-98-2	* STEL: 150 ppm STEL: 568 mg/m ³ TWA: 100 ppm TWA: 375 mg/m ³	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³ D*	TWA: 50 ppm TWA: 185 mg/m ³ H* STEL: 568 mg/m ³ STEL: 150 ppm	S+ TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ A*	TWA: 100 ppm TWA: 370 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ iho*
2-(2-butoxyethoxy)ethanol 112-34-5	STEL: 15 ppm STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 100 mg/m ³ Ceiling: 100 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 101 mg/m ³ STEL: 15 ppm	TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³
2-Methoxypropanol 1589-47-5	-	-	TWA: 20 ppm TWA: 75 mg/m ³ STEL: 40 ppm STEL: 150 mg/m ³	-	-
Ethanol 64-17-5	-	TWA: 1000 mg/m ³ Ceiling: 3000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 2000 ppm STEL: 3800 mg/m ³	TWA: 500 ppm TWA: 1000 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³
d-Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 150 mg/m ³ STEL: 50 ppm STEL: 300 mg/m ³	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³
Diethyl phthalate 84-66-2	-	-	TWA: 3 mg/m ³ STEL: 6 mg/m ³	TWA: 3 mg/m ³ STEL: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³
Pin-2(3)-ene 80-56-8	-	-	-	TWA: 25 ppm TWA: 150 mg/m ³ STEL: 50 ppm STEL: 300 mg/m ³	-
p-Cymene 99-87-6	-	-	TWA: 25 ppm TWA: 135 mg/m ³ STEL: 50 ppm STEL: 270 mg/m ³	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 35 ppm STEL: 190 mg/m ³	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
2-Butoxyethanol 111-76-2	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *	TWA: 10 ppm TWA: 49 mg/m ³ H*	TWA: 10 ppm TWA: 49 mg/m ³ Peak: 20 ppm Peak: 98 mg/m ³ *	TWA: 25 ppm TWA: 120 mg/m ³ *	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ b*
1-Methoxy-2-propanol 107-98-2	TWA: 50 ppm TWA: 188 mg/m ³	TWA: 100 ppm TWA: 370 mg/m ³	TWA: 100 ppm TWA: 370 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³	TWA: 375 mg/m ³ TWA: 100 ppm

	STEL: 100 ppm STEL: 375 mg/m ³ *		Peak: 200 ppm Peak: 740 mg/m ³	STEL: 300 ppm STEL: 1080 mg/m ³ *	STEL: 568 mg/m ³ STEL: 150 ppm b*
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67 mg/m ³	TWA: 67 mg/m ³ TWA: 10 ppm Peak: 15 ppm Peak: 100.5 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³
3-iodo-2-propynyl butylcarbamate 55406-53-6	-	TWA: 0.005 ppm TWA: 0.058 mg/m ³ Sh+	TWA: 0.005 ppm TWA: 0.058 mg/m ³ Peak: 0.01 ppm Peak: 0.116 mg/m ³ skin sensitizer	-	-
2-Methoxypropanol 1589-47-5	-	TWA: 5 ppm TWA: 19 mg/m ³ H*	TWA: 5 ppm TWA: 19 mg/m ³ Peak: 10 ppm Peak: 38 mg/m ³ *	-	-
Ethanol 64-17-5	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 200 ppm TWA: 380 mg/m ³	TWA: 200 ppm TWA: 380 mg/m ³ Peak: 800 ppm Peak: 1520 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 2000 ppm STEL: 3800 mg/m ³
d-Limonene 5989-27-5	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 5 ppm TWA: 28 mg/m ³ Sh+ H*	TWA: 5 ppm TWA: 28 mg/m ³ Peak: 20 ppm Peak: 112 mg/m ³ * skin sensitizer	-	-
Diethyl phthalate 84-66-2	TWA: 5 mg/m ³	-	-	TWA: 5 mg/m ³ STEL: 10 mg/m ³	-
Isoeugenol 97-54-1	-	-	skin sensitizer	-	-
Evernia prunastri, ext. 90028-68-5	-	-	skin sensitizer	-	-
7-Methyl-3-methyleneoct a-1,6-diene 123-35-3	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-	-	-
Pin-2(3)-ene 80-56-8	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-	-	-
p-Mentha-1,4-diene 99-85-4	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-	-	-
p-Cymene 99-87-6	TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-	-	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Sk*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ cute*	TWA: 20 ppm TWA: 97 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Ada*	STEL: 20 ppm STEL: 100 mg/m ³ TWA: 10 ppm TWA: 50 mg/m ³ O*
1-Methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ cute*	TWA: 50 ppm TWA: 184 mg/m ³ STEL: 100 ppm STEL: 368 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ Ada*	STEL: 300 mg/m ³ STEL: 75 ppm TWA: 190 mg/m ³ TWA: 50 ppm O*
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 66 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	STEL: 101.2 mg/m ³ STEL: 15 ppm TWA: 67.5 mg/m ³ TWA: 10 ppm

Ethanol 64-17-5	STEL: 1000 ppm	-	STEL: 1000 ppm STEL: 1884 mg/m ³	TWA: 1000 mg/m ³	STEL: 1000 ppm STEL: 1900 mg/m ³ TWA: 500 ppm TWA: 1000 mg/m ³
d-Limonene 5989-27-5	-	-	-	-	STEL: 50 ppm STEL: 300 mg/m ³ J+ TWA: 25 ppm TWA: 150 mg/m ³
Diethyl phthalate 84-66-2	TWA: 5 mg/m ³ STEL: 10 mg/m ³	-	TWA: 5 mg/m ³	TWA: 0.5 mg/m ³	STEL: 5 mg/m ³ TWA: 3 mg/m ³
Citral 5392-40-5	TWA: 5 ppm STEL: 15 ppm	-	TWA: 5 ppm TWA: 31 mg/m ³ senD+ cute*	-	-
Pin-2(3)-ene 80-56-8	-	-	TWA: 20 ppm TWA: 111 mg/m ³ senD+	-	STEL: 50 ppm STEL: 300 mg/m ³ TWA: 25 ppm TWA: 150 mg/m ³
p-Cymene 99-87-6	-	-	-	TWA: 10 mg/m ³	STEL: 35 ppm STEL: 190 mg/m ³ TWA: 25 ppm TWA: 140 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
2-Butoxyethanol 111-76-2	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³ Peau*	STEL: 50 ppm STEL: 246 mg/m ³ skin* TWA: 20 ppm TWA: 98 mg/m ³	TWA: 20.4 ppm TWA: 100 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ H*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 20 ppm STEL: 75 mg/m ³ H*	STEL: 200 mg/m ³ TWA: 98 mg/m ³ skóra*
1-Methoxy-2-propanol 107-98-2	STEL: 150 ppm STEL: 568 mg/m ³ TWA: 100 ppm TWA: 375 mg/m ³ Peau*	STEL: 150 ppm STEL: 568 mg/m ³ skin* TWA: 100 ppm TWA: 375 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 563 mg/m ³ H*	TWA: 50 ppm TWA: 180 mg/m ³ STEL: 75 ppm STEL: 225 mg/m ³ H*	STEL: 360 mg/m ³ TWA: 180 mg/m ³ skóra*
2-(2-butoxyethoxy)ethanol 112-34-5	STEL: 15 ppm STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³ Peau*	STEL: 15 ppm STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 7.4 ppm TWA: 50 mg/m ³ STEL: 14.8 ppm STEL: 100 mg/m ³ H*	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 20 ppm STEL: 102 mg/m ³	STEL: 100 mg/m ³ TWA: 67 mg/m ³
2-Methoxypropanol 1589-47-5	-	-	-	TWA: 20 ppm TWA: 75 mg/m ³ STEL: 30 ppm STEL: 112.5 mg/m ³ H*	-
Ethanol 64-17-5	-	-	TWA: 137 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1900 mg/m ³ H*	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	TWA: 1900 mg/m ³
d-Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ A+ STEL: 37.5 ppm STEL: 175 mg/m ³	-
Diethyl phthalate 84-66-2	-	-	-	TWA: 3 mg/m ³ STEL: 6 mg/m ³	TWA: 3 mg/m ³
Citral 5392-40-5	-	-	-	-	STEL: 54 mg/m ³ TWA: 27 mg/m ³

7-Methyl-3-methyleneoct a-1,6-diene 123-35-3	-	-	-	TWA: 40 ppm TWA: 275 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³	-
Pin-2(3)-ene 80-56-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³ H*	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Cutânea*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ P*	TWA: 20 ppm TWA: 98 mg/m ³ K* Ceiling: 246 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ K*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 245 mg/m ³ vía dérmica*
1-Methoxy-2-propanol 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ P*	TWA: 100 ppm TWA: 375 mg/m ³ K* Ceiling: 568 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ K*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ vía dérmica*
2-(2-butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 101.2 mg/m ³ STEL: 15 ppm	TWA: 67.5 mg/m ³ TWA: 10 ppm STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ Ceiling: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³
3-iodo-2-propynyl butylcarbamate 55406-53-6	-	-	-	TWA: 0.058 mg/m ³ TWA: 0.005 ppm STEL: 0.01 ppm STEL: 0.116 mg/m ³	-
2-Methoxypropanol 1589-47-5	-	-	TWA: 5 ppm TWA: 19 mg/m ³ K*	TWA: 19 mg/m ³ TWA: 5 ppm STEL: 40 ppm STEL: 152 mg/m ³ K*	TWA: 5 ppm TWA: 19 mg/m ³
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling: 1920 mg/m ³	TWA: 960 mg/m ³ TWA: 500 ppm STEL: 1000 ppm STEL: 1920 mg/m ³	STEL: 1000 ppm STEL: 1910 mg/m ³
d-Limonene 5989-27-5	-	-	-	TWA: 28 mg/m ³ TWA: 5 ppm STEL: 20 ppm STEL: 112 mg/m ³ K*	TWA: 30 ppm TWA: 168 mg/m ³ vía dérmica* Sen+
Diethyl phthalate 84-66-2	TWA: 5 mg/m ³	-	-	-	TWA: 5 mg/m ³
Citral 5392-40-5	TWA: 5 ppm Cutânea* Sensitizer dermal	-	-	-	TWA: 5 ppm vía dérmica* Sen+
7-Methyl-3-methyleneoct a-1,6-diene 123-35-3	-	TWA: 700 mg/m ³ STEL: 1000 mg/m ³	-	-	-
Pin-2(3)-ene 80-56-8	TWA: 20 ppm Sensitizer dermal Turpentine and selected Monoterpenes	-	-	-	TWA: 20 ppm TWA: 113 mg/m ³ Sen+
Chemical name	Sweden		Switzerland		United Kingdom
2-Butoxyethanol 111-76-2	Bindande KGV: 50 ppm Bindande KGV: 246 mg/m ³		TWA: 10 ppm TWA: 49 mg/m ³		TWA: 25 ppm TWA: 123 mg/m ³

	NGV: 10 ppm NGV: 50 mg/m ³ H*	STEL: 20 ppm STEL: 98 mg/m ³ H*	STEL: 50 ppm STEL: 246 mg/m ³ Sk*
1-Methoxy-2-propanol 107-98-2	Bindande KGV: 150 ppm Bindande KGV: 568 mg/m ³ NGV: 50 ppm NGV: 190 mg/m ³ H*	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 200 ppm STEL: 720 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ Sk*
2-(2-butoxyethoxy)ethanol 112-34-5	Bindande KGV: 15 ppm Bindande KGV: 101 mg/m ³ NGV: 10 ppm NGV: 68 mg/m ³	TWA: 10 ppm TWA: 67 mg/m ³ STEL: 15 ppm STEL: 101 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³
3-iodo-2-propynyl butylcarbamate 55406-53-6	-	S+ TWA: 0.01 ppm TWA: 0.12 mg/m ³ STEL: 0.02 ppm STEL: 0.24 mg/m ³	-
2-Methoxypropanol 1589-47-5	-	TWA: 5 ppm TWA: 19 mg/m ³ STEL: 40 ppm STEL: 152 mg/m ³ H*	-
Ethanol 64-17-5	Vägledande KGV: 1000 ppm Vägledande KGV: 1900 mg/m ³ NGV: 500 ppm NGV: 1000 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ STEL: 1000 ppm STEL: 1920 mg/m ³	TWA: 1000 ppm TWA: 1920 mg/m ³ STEL: 3000 ppm STEL: 5760 mg/m ³
d-Limonene 5989-27-5	S+ NGV: 25 ppm NGV: 150 mg/m ³	S+ TWA: 7 ppm TWA: 40 mg/m ³ STEL: 14 ppm STEL: 80 mg/m ³	-
Diethyl phthalate 84-66-2	Vägledande KGV: 5 mg/m ³ NGV: 3 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³
Pin-2(3)-ene 80-56-8	Vägledande KGV: 50 ppm Vägledande KGV: 300 mg/m ³ S+ NGV: 25 ppm NGV: 150 mg/m ³	-	-
p-Cymene 99-87-6	Vägledande KGV: 35 ppm Vägledande KGV: 190 mg/m ³ NGV: 25 ppm NGV: 140 mg/m ³	-	-

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
2-Butoxyethanol 111-76-2	-	125 mg/kg bw/day [4] [6] 89 mg/kg bw/day [4] [7]	98 mg/m ³ [4] [6] 1091 mg/m ³ [4] [7] 246 mg/m ³ [5] [7]
1-Methoxy-2-propanol 107-98-2	-	183 mg/kg bw/day [4] [6]	369 mg/m ³ [4] [6] 553.5 mg/m ³ [4] [7] 553.5 mg/m ³ [5] [7]
1-(2-Butoxy-1-methylethoxy)propan-2-	-	134 mg/kg bw/day [4] [6]	189 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
ol 29911-28-2			
2-(2-butoxyethoxy)ethanol 112-34-5	-	83 mg/kg bw/day [4] [6]	67.5 mg/m ³ [4] [6] 67.5 mg/m ³ [5] [6] 101.2 mg/m ³ [5] [7]
Benzyl-C12-14-alkyldimethylammonium chlorides 68424-85-1	-	5.7 mg/kg bw/day [4] [6]	3.96 mg/m ³ [4] [6]
3-iodo-2-propynyl butylcarbamate 55406-53-6	-	2 mg/kg bw/day [4] [6]	0.023 mg/m ³ [4] [6] 0.07 mg/m ³ [4] [7] 1.16 mg/m ³ [5] [6] 1.16 mg/m ³ [5] [7]
Ethanol 64-17-5	-	343 mg/kg bw/day [4] [6]	950 mg/m ³ [4] [6] 1900 mg/m ³ [5] [7]
2,6-Dimethyloct-7-en-2-ol 18479-58-8	-	20.8 mg/kg bw/day [4] [6]	73.5 mg/m ³ [4] [6]
Linalool 78-70-6	-	2.5 mg/kg bw/day [4] [6] 5 mg/kg bw/day [4] [7] 3 mg/cm ² [5] [6] 3 mg/cm ² [5] [7]	2.8 mg/m ³ [4] [6] 16.5 mg/m ³ [4] [7]
Linalyl acetate 115-95-7	-	2.5 mg/kg bw/day [4] [6] 236.2 µg/cm ² [5] [6] 236.2 µg/cm ² [5] [7]	2.75 mg/m ³ [4] [6]
Coumarin 91-64-5	-	0.79 mg/kg bw/day [4] [6]	6.78 mg/m ³ [4] [6]
Diethyl phthalate 84-66-2	-	15 mg/kg bw/day [4] [6]	10.56 mg/m ³ [4] [6]
[3R-(3α,3αβ,7β,8αα)]-1-(2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one 32388-55-9	-	0.333 mg/kg bw/day [4] [6]	1.17 mg/m ³ [4] [6]
Citral 5392-40-5	-	1.7 mg/kg bw/day [4] [6] 140 µg/cm ² [5] [6]	9 mg/m ³ [4] [6]
2-(4-tert-Butylbenzyl)propionaldehyde 80-54-6	-	1.79 mg/kg bw/day [4] [6] 410 µg/cm ² [5] [6] 410 µg/cm ² [5] [7]	0.44 mg/m ³ [4] [6]
Ethyl 2-naphthyl ether 93-18-5	-	79.8 µg/kg bw/day [4] [6]	0.281 mg/m ³ [4] [6]
Decanal 112-31-2	-	7.05 mg/kg bw/day [4] [6] 14.1 mg/kg bw/day [4] [7] 17.62 mg/cm ² [5] [6] 35.24 mg/cm ² [5] [7]	24.86 mg/m ³ [4] [6] 49.71 mg/m ³ [4] [7] 62.14 mg/m ³ [5] [6] 124.28 mg/m ³ [5] [7]
3,7-Dimethylnona-2,6-dienenitrile 61792-11-8	-	1.5 mg/kg bw/day [4] [6] 3 mg/kg bw/day [4] [7] 3.75 mg/cm ² [5] [6] 7.5 mg/cm ² [5] [7]	5.29 mg/m ³ [4] [6] 10.58 mg/m ³ [4] [7] 13.22 mg/m ³ [5] [6] 26.45 mg/m ³ [5] [7]
Pin-2(3)-ene 80-56-8	-	0.542 mg/kg bw/day [4] [6]	3.8 mg/m ³ [4] [6]
p-Mentha-1,4-diene 99-85-4	-	0.833 mg/kg bw/day [4] [6]	2.939 mg/m ³ [4] [6]

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
2-Butoxyethanol	6.3 mg/kg bw/day [4] [6]	89 mg/kg bw/day [4] [6]	59 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
111-76-2	26.7 mg/kg bw/day [4] [7]	89 mg/kg bw/day [4] [7]	426 mg/m ³ [4] [7] 147 mg/m ³ [5] [7]
1-Methoxy-2-propanol 107-98-2	33 mg/kg bw/day [4] [6]	-	43.9 mg/m ³ [4] [6]
1-(2-Butoxy-1-methylethoxy)propan-2-ol 29911-28-2	16 mg/kg bw/day [4] [6]	-	56 mg/m ³ [4] [6]
2-(2-butoxyethoxy)ethanol 112-34-5	5 mg/kg bw/day [4] [6]	-	40.5 mg/m ³ [4] [6] 40.5 mg/m ³ [5] [6] 60.7 mg/m ³ [5] [7]
Benzyl-C12-14-alkyldimethylammonium chlorides 68424-85-1	3.4 mg/kg bw/day [4] [6]	-	1.64 mg/m ³ [4] [6]
Ethanol 64-17-5	87 mg/kg bw/day [4] [6]	-	114 mg/m ³ [4] [6] 950 mg/m ³ [5] [7]
2,6-Dimethyloct-7-en-2-ol 18479-58-8	12.5 mg/kg bw/day [4] [6]	-	21.7 mg/m ³ [4] [6]
Linalool 78-70-6	0.2 mg/kg bw/day [4] [6] 1.2 mg/kg bw/day [4] [7]	2.5 mg/kg bw/day [4] [6] 2.5 mg/kg bw/day [4] [7] 1.5 mg/cm ² [5] [6] 1.5 mg/cm ² [5] [7]	0.7 mg/m ³ [4] [6] 4.1 mg/m ³ [4] [7]
Linalyl acetate 115-95-7	0.2 mg/kg bw/day [4] [6]	236.2 µg/cm ² [5] [6] 236.2 µg/cm ² [5] [7]	0.68 mg/m ³ [4] [6]
Coumarin 91-64-5	0.39 mg/kg bw/day [4] [6]	-	1.69 mg/m ³ [4] [6]
Diethyl phthalate 84-66-2	0.75 mg/kg bw/day [4] [6]	-	2.6 mg/m ³ [4] [6]
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one 32388-55-9	0.167 mg/kg bw/day [4] [6]	-	0.29 mg/m ³ [4] [6]
Citral 5392-40-5	0.6 mg/kg bw/day [4] [6]	140 µg/cm ² [5] [6]	2.7 mg/m ³ [4] [6]
2-(4-tert-Butylbenzyl)propionaldehyde 80-54-6	0.0625 mg/kg bw/day [4] [6]	410 µg/cm ² [5] [6] 410 µg/cm ² [5] [7]	0.11 mg/m ³ [4] [6]
Ethyl 2-naphthyl ether 93-18-5	28.5 µg/kg bw/day [4] [6]	-	42.2 µg/m ³ [4] [6]
Decanal 112-31-2	3.52 mg/kg bw/day [4] [6] 7.05 mg/kg bw/day [4] [7]	7.05 mg/kg bw/day [4] [6] 7.05 mg/kg bw/day [4] [7] 8.81 mg/cm ² [5] [6] 17.62 mg/cm ² [5] [7]	6.13 mg/m ³ [4] [6] 12.26 mg/m ³ [4] [7] 15.32 mg/m ³ [5] [6] 30.65 mg/m ³ [5] [7]
3,7-Dimethylnona-2,6-dienitrile 61792-11-8	0.75 mg/kg bw/day [4] [6] 1.5 mg/kg bw/day [4] [7]	1.5 mg/kg bw/day [4] [6] 1.5 mg/kg bw/day [4] [7] 1.88 mg/cm ² [5] [6] 3.75 mg/cm ² [5] [7]	1.3 mg/m ³ [4] [6] 2.61 mg/m ³ [4] [7] 3.26 mg/m ³ [5] [6] 6.52 mg/m ³ [5] [7]
Pin-2(3)-ene 80-56-8	0.225 mg/kg bw/day [4] [6]	-	0.674 mg/m ³ [4] [6]
p-Mentha-1,4-diene 99-85-4	0.417 mg/kg bw/day [4] [6]	-	0.725 mg/m ³ [4] [6]

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
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Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
2-Butoxyethanol 111-76-2	8.8 mg/L	26.4 mg/L	0.88 mg/L	-	-
1-Methoxy-2-propanol 107-98-2	10 mg/L	100 mg/L	1 mg/L	-	-
1-(2-Butoxy-1-methylethoxy)propan-2-ol 29911-28-2	0.519 mg/L	5.19 mg/L	0.0519 mg/L	-	-
2-(2-butoxyethoxy)ethanol 112-34-5	1.1 mg/L	11 mg/L	0.11 mg/L	-	-
Benzyl-C12-14-alkyldimethylammonium chlorides 68424-85-1	0.0009 mg/L	0.00016 mg/L	0.00096 mg/L	-	-
2,6-Dimethyloct-7-en-2-ol 18479-58-8	27.8 µg/L	0.278 mg/L	2.78 µg/L	-	-
Linalool 78-70-6	0.2 mg/L	2 mg/L	0.02 mg/L	-	-
Linalyl acetate 115-95-7	0.011 mg/L	0.11 mg/L	0.0011 mg/L	-	-
Coumarin 91-64-5	19 µg/L	14.2 µg/L	1.9 µg/L	-	-
Diethyl phthalate 84-66-2	12 µg/L	120 µg/L	1.2 µg/L	-	-
1,4-Dioxacycloheptadecane-5,17-dione 105-95-3	1.87 µg/L	18.7 µg/L	0.187 µg/L	-	-
[3R-(3α,3aβ,7β,8α)]-1-(2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one 32388-55-9	1.74 µg/L	8.6 µg/L	0.174 µg/L	-	-
Citral 5392-40-5	0.00678 mg/L	0.0678 mg/L	0.000678 mg/L	-	-
2-(4-tert-Butylbenzyl)propionaldehyde 80-54-6	0.004 mg/L	0.024 mg/L	0.0004 mg/L	-	-
Ethyl 2-naphthyl ether 93-18-5	2.31 µg/L	23.1 µg/L	0.231 µg/L	2.31 µg/L	-
Decanal 112-31-2	1.17 µg/L	11.7 µg/L	0.117 µg/L	-	-
3,7-Dimethylnona-2,6-dienitrile 61792-11-8	0.0024 mg/L	0.024 mg/L	0.00024 mg/L	-	-
Pin-2(3)-ene 80-56-8	0.606 µg/L	3.03 µg/L	0.0606 µg/L	0.303 µg/L	-
p-Mentha-1,4-diene 99-85-4	0.002792 mg/L	-	0.0002792 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
2-Butoxyethanol 111-76-2	34.6 mg/kg sediment dw	3.46 mg/kg sediment dw	463 mg/L	2.33 mg/kg soil dw	0.02 g/kg food
1-Methoxy-2-propanol	52.3 mg/kg	5.2 mg/kg sediment	100 mg/L	4.59 mg/kg soil dw	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
107-98-2	sediment dw	dw			
1-(2-Butoxy-1-methylethoxy)propan-2-ol 29911-28-2	2.96 mg/kg sediment dw	0.296 mg/kg sediment dw	100 mg/L	0.287 mg/kg soil dw	-
2-(2-butoxyethoxy)ethanol 112-34-5	4.4 mg/kg sediment dw	0.44 mg/kg sediment dw	200 mg/L	0.32 mg/kg soil dw	56 mg/kg food
Benzyl-C12-14-alkyldimethylammonium chlorides 68424-85-1	12.27 mg/kg sediment dw	13.09 mg/kg sediment dw	0.4 mg/L	7 mg/kg soil dw	-
2,6-Dimethyloct-7-en-2-ol 18479-58-8	0.594 mg/kg sediment dw	0.0594 mg/kg sediment dw	10 mg/L	0.103 mg/kg soil dw	111 mg/kg food
Linalool 78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L	0.327 mg/kg soil dw	7.8 mg/kg food
Linalyl acetate 115-95-7	0.609 mg/kg sediment dw	0.0609 mg/kg sediment dw	1 mg/L	0.115 mg/kg soil dw	-
Coumarin 91-64-5	0.15 mg/kg sediment dw	0.015 mg/kg sediment dw	6.4 mg/L	0.018 mg/kg soil dw	30.7 mg/kg food
Diethyl phthalate 84-66-2	137 µg/kg sediment dw	13.7 µg/kg sediment dw	2000 µg/L	137 µg/kg soil dw	33 mg/kg food
1,4-Dioxacycloheptadecane-5,17-dione 105-95-3	1.26 mg/kg sediment dw	0.13 mg/kg sediment dw	124 mg/L	0.25 mg/kg soil dw	33.3 mg/kg food
[3R-(3α,3αβ,7β,8α)]-1-(2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one 32388-55-9	24.4 mg/kg sediment dw	2.44 mg/kg sediment dw	10 mg/L	4.87 mg/kg soil dw	-
Citral 5392-40-5	0.125 mg/kg sediment dw	0.0125 mg/kg sediment dw	1.6 mg/L	0.0209 mg/kg soil dw	-
2-(4-tert-Butylbenzyl)propionaldehyde 80-54-6	0.528 mg/kg sediment dw	0.0528 mg/kg sediment dw	10 mg/L	0.103 mg/kg soil dw	-
Ethyl 2-naphthyl ether 93-18-5	0.722 mg/kg sediment dw	72.2 µg/kg sediment dw	-	0.143 mg/kg soil dw	-
Decanal 112-31-2	0.0972 mg/kg sediment dw	0.00972 mg/kg sediment dw	3.16 mg/L	0.0187 mg/kg soil dw	313 mg/kg food
3,7-Dimethylnona-2,6-dienitrile 61792-11-8	0.248 mg/kg sediment dw	0.0248 mg/kg sediment dw	0.9 mg/L	0.0504 mg/kg soil dw	66.6 mg/kg food
Pin-2(3)-ene 80-56-8	157 µg/kg sediment dw	15.7 µg/kg sediment dw	0.2 mg/L	31.7 µg/kg soil dw	8.76 mg/kg food
p-Mentha-1,4-diene 99-85-4	0.490056696 mg/kg sediment dw	0.0490056696 mg/kg sediment dw	10 mg/L	0.422765624 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

No special protective equipment required.

Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid-impregnated wipe
Colour	Colourless
Odour	Alcohol.
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	5 - 7	pH (concentrated solution): 5-7
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	2.35 kPa @ 20°C	None known
Relative density	0.993-1.003 @ 20°C	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regards to physical hazard classes

Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidizing.

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 99,999.00 mg/kg

ATEmix (dermal) 99,999.00 mg/kg

ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapour)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.000 mg/l

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye 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	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

12.6. Endocrine disrupting properties

Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

IMDG

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

National regulations

Germany

Water hazard class (WGK) non-hazardous to water (nwg)

European Union

 Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

 This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status

IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

- H302 - Harmful if swallowed
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H331 - Toxic if inhaled
- H372 - Causes damage to organs through prolonged or repeated exposure
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitisers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method

STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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End of Safety Data Sheet