

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

1.1. Product identifier

Product form : Mixture
Product name : ULTRA EASE WU LEMON

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Central Chemical Supplies Limited
44 Hall Road
BT66 7LJ Donaghcloney Craigavon
Northern Ireland
T 02838881936, F 02838882335
Info@ccsni.co.uk, www.centralchemicalsupplies.co.uk

1.4. Emergency telephone number

Emergency number : +447872501842

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319
Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	PURECHEM FORMALDEHYDE (50-00-0) ⁽¹⁾

⁽¹⁾ Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
CENTRADET CDG	REACH-no: 01-2119490100-53	5 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
CENTRADET NA	CAS-No.: 85536-14-7 EC-No.: 287-494-3 REACH-no: 01-2119490234-40	5 – 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1A, H314 Aquatic Chronic 3, H412
CENTRADET N237/9	CAS-No.: 160901-19-9	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318
MONOETHANOLAMINE PURE substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, MK, RS, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 141-43-5 EC-No.: 205-483-3 EC Index-No.: 603-030-00-8 REACH-no: 01-2119486455-28	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=1089 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 1, H372 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
PROPAN-2-OL substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SI, SK, IS, NO, MK, CH, TR)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-211457558-25	< 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
LEMON 600	-	< 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 1, H410
TRIAMREEN Y12D (2) substance with national workplace exposure limit(s) (CH)	CAS-No.: 2372-82-9 EC-No.: 219-145-801 REACH-no: 2119980592-29	< 1	Acute Tox. 3 (Oral), H301 (ATE=175 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Skin Corr. 1A, H314 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
PURECHEM FORMALDEHYDE substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, MK, CH); substance with a Community workplace exposure limit	CAS-No.: 50-00-0 EC-No.: 200-001-8 EC Index-No.: 605-001-00-5	< 1	Acute Tox. 4 (Oral), H302 (ATE=460 mg/kg bodyweight) Acute Tox. 1 (Dermal), H310 (ATE=0.27 mg/kg bodyweight)

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
MONOETHANOLAMINE PURE	CAS-No.: 141-43-5 EC-No.: 205-483-3 EC Index-No.: 603-030-00-8 REACH-no: 01-2119486455-28	(5 ≤ C ≤ 100) STOT SE 3; H335
PURECHEM FORMALDEHYDE	CAS-No.: 50-00-0 EC-No.: 200-001-8 EC Index-No.: 605-001-00-5	(0.2 ≤ C ≤ 100) Skin Sens. 1; H317 (5 ≤ C < 25) Skin Irrit. 2; H315 (5 ≤ C < 25) Eye Irrit. 2; H319 (5 ≤ C ≤ 100) STOT SE 3; H335 (25 ≤ C ≤ 100) Skin Corr. 1B; H314

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: 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	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Keep cool. Protect from sunlight.
Packaging materials	: Store always product in container of same material as original container.

Germany

Storage class (LGK, TRGS 510)

Joint storage table

: LGK 12 - Non-combustible liquids

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for

Joint storage with restrictions permitted for

Joint storage permitted for

: LGK 1, LGK 6.2, LGK 7

: LGK 4.1A, LGK 4.3, LGK 5.1C

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

Switzerland

Storage class (LK)	: LK 10/12 - Liquids
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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

MONOETHANOLAMINE PURE (141-43-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Aminoethanol
IOEL TWA	2.5 mg/m ³
	1 ppm
IOEL STEL	7.6 mg/m ³
	3 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Austria - Occupational Exposure Limits	
Local name	2-Aminoethanol (Ethanolamin)
MAK (OEL TWA)	2.5 mg/m ³

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MONOETHANOLAMINE PURE (141-43-5)	
	1 ppm
MAK (OEL STEL)	7.6 mg/m³ (4x 15(Miw) min)
	3 ppm (4x 15(Miw) min)
Remark	Sh
Regulatory reference	BGBI. II Nr. 330/2024
Belgium - Occupational Exposure Limits	
Local name	Ethanolamine # Ethanolamine
OEL TWA	2.5 mg/m³
	1 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Етаноламин (2-Аминоетанол)
OEL TWA	2.5 mg/m³
	1 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 28 от 2024 г., в сила от 05.04.2024 г.)
Croatia - Occupational Exposure Limits	
Local name	2-aminoetanol; etanolamin
GVI (OEL TWA)	2.5 mg/m³
	1 ppm
KGV I (OEL STEL)	7.6 mg/m³
	3 ppm
Remark	Direktiva: 2006/15/EZ. Napomena: Koža (razvrstana kao tvar koja nadražuje kožu (H315))
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Cyprus - Occupational Exposure Limits	
Local name	2-Αμινοαιθανόλη
OEL TWA	2.5 mg/m³

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MONOETHANOLAMINE PURE (141-43-5)	
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	δέρμα
Regulatory reference	Κανονισμοί του 2007 (Κ.Δ.Π. 295/2007)
Czech Republic - Occupational Exposure Limits	
Local name	2-Aminoethanol (Ethanolamin)
PEL (OEL TWA)	2.5 mg/m ³
	1 ppm
NPK-P (OEL C)	7.6 mg/m ³
	3 ppm
Remark	I - dráždí sliznice (oči, dýchací cesty), resp. kůže.
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 20/2025 Sb.)
Denmark - Occupational Exposure Limits	
Local name	2-Aminoethanol (Ethanolamin)
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	E (betyder, at stoffet har en EU-grænseværdi); H (betyder, at stoffet kan optages gennem huden)
Regulatory reference	BEK nr 1619 af 19/12/2024
Estonia - Occupational Exposure Limits	
Local name	2-aminoetanool
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	A (Naha kaudu kergesti imenduv aine)
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 02.04.2024, 13)
Finland - Occupational Exposure Limits	
Local name	2-Aminoetanoli
HTP (OEL TWA)	2.5 mg/m ³
	1 ppm
HTP (OEL STEL)	7.6 mg/m ³
	3 ppm
Remark	Iho
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveystieteiden ministeriö)

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MONOETHANOLAMINE PURE (141-43-5)	
France - Occupational Exposure Limits	
Local name	Ethanolamine (2-Aminoéthanol)
VME (OEL TWA)	2.5 mg/m ³
	1 ppm
VLE (OEL C/STEL)	7.6 mg/m ³
	3 ppm
Remark	Valeurs réglementaires contraignantes. Risque de pénétration percutanée
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 6443, 2022; Outil65; Décret n° 2019-1487; Décret n° 2020-1546; Décret n° 2021-434; Décret n° 2021-1849; Décret n° 2024-307)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	2-Amino-ethanol
AGW (OEL TWA)	0.5 mg/m ³
	0.2 ppm
Peak exposure limitation factor	1(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; Sh - Hautsensibilisierender Stoff; H - hautresorptiv; 11 - Summe aus Dampf und Aerosolen
Regulatory reference	TRGS900
Gibraltar - Occupational Exposure Limits	
Local name	2-Aminoethanol
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	Skin
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece - Occupational Exposure Limits	
Local name	Αιθανολαμίνη (2-αμινοαιθανόλη)
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	Η ένδειξη «δέρμα» στις οριακές τιμές επαγγελματικής έκθεσης επισημαίνει το ενδεχόμενο σημαντικής διείσδυσης μέσω του δέρματος.
Regulatory reference	Π.Δ. 162/2007 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
Local name	2-AMINOETANOL

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MONOETHANOLAMINE PURE (141-43-5)	
AK (OEL TWA)	2.5 mg/m³
	1 ppm
CK (OEL STEL)	7.6 mg/m³
	3 ppm
Remark	b (Bőrön át is felszívódik); EU2 (2006/15/EK irányelvben közölt érték); T (Azok az anyagok, amelyek egészségkárosító hatása TARTÓS expozíciót követően jelentkezik)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	2-Aminoethanol [Ethanolamine]
OEL TWA	2.5 mg/m³
	1 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values), Skin (Substances which have the capacity to penetrate intact skin when they come in contact with it and be absorbed into the body. A substantial contribution to the total body burden via dermal exposure is possible)
Regulatory reference	Chemical Agents Code of Practice 2024
Italy - Occupational Exposure Limits	
Local name	2-Amminoetanolo
OEL TWA	2.5 mg/m³
	1 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	Cute
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i. (D.Lgs. 4 settembre 2024, n. 135)
Latvia - Occupational Exposure Limits	
Local name	2-Aminoetanols (monoetanolamīns)
OEL TWA	0.5 mg/m³
	0.2 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	Āda
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2024. gada 26. martā noteikumiem Nr. 191).
Lithuania - Occupational Exposure Limits	
Local name	2-aminoetanolis (etanolaminas)
IPRV (OEL TWA)	2.5 mg/m³
	1 ppm
TPRV (OEL STEL)	7.6 mg/m³

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MONOETHANOLAMINE PURE (141-43-5)	
	3 ppm
Remark	O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą)
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg - Occupational Exposure Limits	
Local name	2-aminoéthanol
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	Peau
Regulatory reference	Mémorial A N° 226 de 2021 concernant la protection de la sécurité et de la santé des salariés contre les risques liés à des agents chimiques sur le lieu de travail
Malta - Occupational Exposure Limits	
Local name	2-Aminoethanol
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	Skin # Ġilda
Regulatory reference	S.L. 424.24 - Chemical Agents at Work Regulations (L.N. 356 of 2021) # L.S. 424.24 - Regolamenti dwar Aġenti Kimiċi fuq il-Post tax-Xogħol (A.L. 356 tal-2021)
Netherlands - Occupational Exposure Limits	
Local name	2-Aminoethanol
TGG-8u (OEL TWA)	2.5 mg/m ³
	1 ppm
TGG-15min (OEL STEL)	7.6 mg/m ³
	3 ppm
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Regulatory reference	Arbeidsomstandighedenregeling 2024
Poland - Occupational Exposure Limits	
Local name	2-Aminoetanol
NDS (OEL TWA)	2.5 mg/m ³
NDSch (OEL STEL)	7.5 mg/m ³
Remark	Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową).
Regulatory reference	Dz. U. 2024 poz. 1017 wraz z późn. zm.
Portugal - Occupational Exposure Limits	
Local name	Etanolamina (2-Aminoetanol)

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MONOETHANOLAMINE PURE (141-43-5)	
OEL TWA	3 ppm
OEL STEL	6 ppm
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	2-aminoetanol/Etanolamină
OEL TWA	2.5 mg/m³
	1 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	P - posibilitatea unei penetrări cutanate importante
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)
Serbia - Occupational Exposure Limits	
Local name	2-аминоетанол; етаноламин
OEL TWA	3 mg/m³
	1 ppm
OEL STEL	8 mg/m³
	3 ppm
Remark	ЕУ** – напомена да се ради о хемијским материјама за које су утврђене индикативне граничне вредности изложености према Директиви 2006/15/ЕЗ (друга листа); К – напомена да хемијска материја може штетно деловати на кожу
Regulatory reference	ПРАВИЛНИК о превентивним мерама за безбедан и здрав рад при излагању хемијским материјама („Службени гласник РС”, бр. 106/09, 117/17 и 107/21)
Slovakia - Occupational Exposure Limits	
Local name	2-Aminoetanol
NPHV (OEL TWA)	2.5 mg/m³
	1 ppm
NPHV (OEL STEL)	7.6 mg/m³
	3 ppm
Remark	K – znamená, že faktor môže byť ľahko absorbovaný kožou
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (122/2024 Z. z.)
Slovenia - Occupational Exposure Limits	
Local name	2-aminoetanol (etanolamin)
OEL TWA	2.5 mg/m³
	1 ppm
OEL STEL	7.6 mg/m³
	3 ppm
Remark	K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), EU
Regulatory reference	Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu

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MONOETHANOLAMINE PURE (141-43-5)	
Spain - Occupational Exposure Limits	
Local name	2-Aminoetanol (Etanolamina)
VLA-ED (OEL TWA)	2.5 mg/m ³
	1 ppm
VLA-EC (OEL STEL)	7.5 mg/m ³
	3 ppm
Remark	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), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Sweden - Occupational Exposure Limits	
Local name	Etanolamin
NGV (OEL TWA)	2.5 mg/m ³
	1 ppm
KGV (OEL STEL)	7.5 mg/m ³
	3 ppm
Remark	H (Ämnet tas lätt upp genom huden. Gränsvärdet bedöms ge tillräckligt skydd om huden är skyddad); 23 (Ämnet har ett indikativt EU-gränsvärde)
Regulatory reference	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
United Kingdom - Occupational Exposure Limits	
Local name	2-Aminoethanol
WEL TWA (OEL TWA)	2.5 mg/m ³
	1 ppm
WEL STEL (OEL STEL)	7.6 mg/m ³
	3 ppm
Remark	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)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	Etanólamín (2-amínóetanól)
OEL TWA	2.5 mg/m ³
	1 ppm
OEL STEL	7.6 mg/m ³
	3 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	2-aminoetanol (Etanolamin)

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MONOETHANOLAMINE PURE (141-43-5)	
Grenseverdi (OEL TWA)	2.5 mg/m ³ 1 ppm
Remark	H: Kjemikalier som kan tas opp gjennom huden; E: EU har en veiledende grenseverdi og/eller anmerkning for stoffet.
Regulatory reference	FOR-2024-04-05-581
North Macedonia - Occupational Exposure Limits	
Local name	2-аминоетанол (етаноламин)
OEL TWA	2.5 mg/m ³ 1 ppm
KTV	3
Short time value [mg/m ³]	7.5 mg/m ³
Short time value [ppm]	3 ppm
Remark	(*) дополнување на граничната вредност заради донесената Директива на Комисијата 2006/15ES од 7 февруари 2006 за создавање на втора листа на индикативни гранични вредности за професионална изложеност според директивата 98/24/EC и за измените на директивата 91/322/EEC и директивата 2000/39/ EC (Сл. весник бр. 38 од ден 9.2.2006, стр. 36); (KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m ³ или во ml/m ³ (ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (K) својство на полесно пренесување на супстанциите во организмот преку кожата; (EU) European Union – гранична вредност, определена на ниво на Европската унија
Regulatory reference	Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10)
Switzerland - Occupational Exposure Limits	
Local name	2-Aminoéthanol / 2-Aminoethanol [Ethanolamin]
MAK (OEL TWA)	5 mg/m ³ 2 ppm
KZGW (OEL STEL)	10 mg/m ³ 4 ppm
Notation	S / S
Remark	NIOSH. La substance peut être présente sous forme de vapeur et d'aérosol en même temps / NIOSH. Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen
Regulatory reference	www.suva.ch, 18.06.2025
PURECHEM FORMALDEHYDE (50-00-0)	
EU - Binding Occupational Exposure Limit (BOEL)	
Local name	Formaldehyde
BOEL TWA	0.37 mg/m ³ 0.3 ppm
BOEL STEL	0.74 mg/m ³

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PURECHEM FORMALDEHYDE (50-00-0)	
	0.6 ppm
Notes	Dermal sensitisation (The substance can cause sensitisation of the skin)
Regulatory reference	DIRECTIVE (EU) 2019/983 (amending Directive 2004/37/EC)
Austria - Occupational Exposure Limits	
Local name	Formaldehyd
MAK (OEL TWA)	0.37 mg/m ³
	0.3 ppm
OEL C	0.74 mg/m ³
	0.6 ppm
Remark	Sh. Krebs erzeugend: III A2
Regulatory reference	BGBl. II Nr. 330/2024
Belgium - Occupational Exposure Limits	
Local name	Aldéhyde formique # Formaldehyde
OEL STEL	0.38 mg/m ³
	0.3 ppm
Remark	C: la mention "C" signifie que l'agent en question relève du champ d'application du titre 2 relatif aux agents cancérogènes, mutagènes et reprotoïques du livre VI du code de bien-être au travail, M: la mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage. # C: de vermelding "C" betekent dat het betrokken agens valt onder het toepassingsgebied van titel 2 betreffende kankerverwekkende, mutagene en reprotoxische agentia van boek VI van de codex over het welzijn op het werk, M: de vermelding "M" duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkproces moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode.
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Формалдехид
OEL TWA	0.62 mg/m ³ (Гранична стойност за секторите на здравеопазването, погребалните услуги и балсамирането до 10 юли 2027 г.)
	0.37 mg/m ³ (Гранична стойност за секторите на здравеопазването, погребалните услуги и балсамирането - от 11 юли 2027 г.)
OEL STEL	0.3 ppm (Гранична стойност за секторите на здравеопазването, погребалните услуги и балсамирането - от 11 юли 2027 г.)
	0.74 mg/m ³ (Гранична стойност за секторите на здравеопазването, погребалните услуги и балсамирането - от 11 юли 2027 г.)
OEL STEL	0.5 ppm (Гранична стойност за секторите на здравеопазването, погребалните услуги и балсамирането до 10 юли 2027 г.)
	0.6 ppm (Гранична стойност за секторите на здравеопазването, погребалните услуги и балсамирането - от 11 юли 2027 г.)
Remark	Кожна сенсibiliзация (Веществото може да предизвика сенсibiliзация на кожата)

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PURECHEM FORMALDEHYDE (50-00-0)	
Regulatory reference	Наредба № 10 от 26.09.2003 г. за защита на работещите от рискове, свързани с експозиция на канцерогени и мутагени при работа (изм. и доп. ДВ. бр. 28 от 2 Април 2024г.)
Croatia - Occupational Exposure Limits	
Local name	Formaldehid
GVI (OEL TWA)	0.37 mg/m³
	0.3 ppm
KGVI (OEL STEL)	0.74 mg/m³
	0.6 ppm
Remark	Direktiva: 2019/983. Napomena: Alergen koža (tvar koja može izazvati alergijsku reakciju na koži (H317)), Karc 1B
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Cyprus - Occupational Exposure Limits	
Local name	Φορμαλδεϋδη
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	Καρκινογόνοι και Μεταλλαξιογόνοι Παράγοντες
Regulatory reference	Κανονισμοί του 2021 (Κ.Δ.Π. 298/2021)
Czech Republic - Occupational Exposure Limits	
Local name	Formaldehyd (Methanal)
PEL (OEL TWA)	0.37 mg/m³
	0.3 ppm
NPK-P (OEL C)	0.74 mg/m³
	0.6 ppm
Remark	I - dráždí sliznice (oči, dýchací cesty), resp. kůži, K - karcinogen kategorie 1A a 1B (s větou H350, H350i), S - látka má senzibilizující účinek (s větou H317, H334).
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 20/2025 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Formaldehyd (Formalin)
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	E (betyder, at stoffet har en EU-grænseværdi); K (betyder, at stoffet anses for at kunne være kræftfremkaldende og omfattet af bekendtgørelse om foranstaltninger til forebyggelse af risici ved arbejde med stoffer og materialer, der kan være kræftfremkaldende, mutagene eller reproduktionstoksiske). Hudsensibiliserende
Regulatory reference	BEK nr 1619 af 19/12/2024

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PURECHEM FORMALDEHYDE (50-00-0)	
Estonia - Occupational Exposure Limits	
Local name	Formaldehüüd (metanaal)
OEL TWA	0.37 mg/m ³
	0.3 ppm
OEL STEL	0.74 mg/m ³
	0.6 ppm
Remark	C (Kantserogeenne aine), S (Sensibiliseeriv aine)
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 02.04.2024, 13)
Finland - Occupational Exposure Limits	
Local name	Formaldehydi
BOEL TWA	0.37 mg/m ³
	0.3 ppm
BOEL STEL	0.74 mg/m ³
	0.6 ppm
Remark	Ihoherkistytminen. Syöpäsairauden vaaraa aiheuttavat ja perimää vaurioittavat tekijät
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveystministeriö)
France - Occupational Exposure Limits	
Local name	Formaldéhyde (Aldéhyde formique)
VME (OEL TWA)	0.37 mg/m ³
	0.3 ppm
VLE (OEL C/STEL)	0.74 mg/m ³
	0.6 ppm
Remark	Valeurs réglementaires contraignantes. Cancérogène de catégorie 1B, Mutagène de catégorie 2, La substance peut provoquer une sensibilisation cutanée. Les travaux exposants au formaldéhyde sont considérés comme cancérogènes (arrêté du 26 octobre 2020 modifié)
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 6443, 2022; Outil65; Décret n° 2019-1487; Décret n° 2020-1546; Décret n° 2021-434; Décret n° 2021-1849; Décret n° 2024-307)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Formaldehyd
AGW (OEL TWA)	0.37 mg/m ³
	0.3 ppm
Peak exposure limitation factor	2(l)
Remark	AGS - Ausschuss für Gefahrstoffe; Sh - Hautsensibilisierender Stoff; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; X - Krebszeugender Stoff der Kat. 1A oder 1B oder krebserzeugende Tätigkeit oder Verfahren nach § 2 Absatz 3 Nr. 4 der Gefahrstoffverordnung – es ist zusätzlich § 10 GefStoffV zu beachten
Regulatory reference	TRGS900
Greece - Occupational Exposure Limits	
Local name	Φορμαλδεϋδη

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PURECHEM FORMALDEHYDE (50-00-0)	
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	Ευαισθητοποίηση του δέρματος (Η ουσία μπορεί να προκαλέσει ευαισθητοποίηση του δέρματος)
Regulatory reference	Π.Δ. 48/2024 - Προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους παράγοντες, μεταλλαξιογόνους παράγοντες ή τοξικές για την αναπαραγωγή ουσίες κατά την εργασία
Hungary - Occupational Exposure Limits	
Local name	FORMALDEHID
AK (OEL TWA)	0.37 mg/m³
	0.3 ppm
CK (OEL STEL)	0.74 mg/m³
	0.6 ppm
Remark	k(1B) (rákkeltő), b (Bőrön át is felszívódik), m (maró hatású anyag, amely felmarja a bőrt, nyálkahártyát, szemet vagy mindhármat), sz (Túlérzékenységet okozó (szenzibilizáló) tulajdonságú anyag. Az anyagra érzékeny egyéneken „túlérzékenységen” alapuló bőr-, légzőrendszeri, esetleg más szervet/szervrendszert károsító megbetegedést okozhat); EU7 (2019/983/EU irányelvben közölt érték); T (Azok az anyagok, amelyek egészségkárosító hatása TARTÓS expozíciót követően jelentkezik)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	Formaldehyde
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.738 mg/m³
	0.6 ppm
Remark	BOELV (Binding Occupational Exposure Limit Values), Carc.1B (Substances presumed to have carcinogenic potential for humans), Sens (In the workplace, respiratory or dermal exposures to sensitising agents may occur. Sensitisers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The “sens” notation alone does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitisers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2024
Italy - Occupational Exposure Limits	
Local name	Formaldeide
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³

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PURECHEM FORMALDEHYDE (50-00-0)	
	0.6 ppm
Remark	Sensibilizzazione cutanea
Regulatory reference	Allegato XLIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i. (D.Lgs. 4 settembre 2024, n. 135)
Latvia - Occupational Exposure Limits	
Local name	Formaldehīds
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	Carc. 1B
Regulatory reference	Ministru kabineta 2008. gada 29. septembra noteikumi Nr. 803 (Grozījumi Ministru kabineta 2024. gada 26. martā noteikumiem Nr. 190).
Lithuania - Occupational Exposure Limits	
Local name	Formaldehidas
IPRV (OEL TWA)	0.37 mg/m³
	0.62 mg/m³ (Sveikatos priežiūros, laidotuvių ir balzamavimo sektoriais)
	0.3 ppm 0.5 ppm (Sveikatos priežiūros, laidotuvių ir balzamavimo sektoriais)
TPRV (OEL STEL)	0.74 mg/m³
	0.6 ppm
Remark	Ū (ūmus poveikis); J (jautrinantis poveikis); K (kancerogeninis poveikis); Medžiaga gali sukelti odos jautrinimą.
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-1203/A1-64, 2019-10-24)
Luxembourg - Occupational Exposure Limits	
Local name	Formaldéhyde
OEL TWA	0.37 mg/m³
	0.62 mg/m³
	0.3 ppm 0.5 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	Sensibilisation cutanée
Regulatory reference	Mémorial A N° 223 de 2021 concernant la protection des salariés contre les risques liés à l'exposition à des agents cancérigènes ou mutagènes au travail
Malta - Occupational Exposure Limits	
Local name	Formaldehyde # Formaldeid
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	Dermal sensitisation # Sensitizzazzjoni tal-ġilda

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PURECHEM FORMALDEHYDE (50-00-0)	
Regulatory reference	S.L. 424.22 - Exposure to Carcinogens, Mutagens or Reprotoxic Substances at Work Regulations (L.N. 102 of 2024) # L.S. 424.22 - Regolamenti dwar Espożizzjoni għall-Carcinogens, Mutagens jew Reprotoxic Substances fuq il-Post tax-Xogħol (A.L. 102 tal-2024)
Netherlands - Occupational Exposure Limits	
Local name	Formaldehyde
TGG-8u (OEL TWA)	0.15 mg/m³ (Sensibilisatie van de huid)
	0.12 ppm
TGG-15min (OEL STEL)	0.5 mg/m³
	0.41 ppm
Remark	Kankerverwekkende stof
Regulatory reference	Arbeidsomstandighedenregeling 2024
Poland - Occupational Exposure Limits	
Local name	Formaldehyd
NDS (OEL TWA)	0.37 mg/m³
NDSCh (OEL STEL)	0.74 mg/m³
Remark	Substancja może mieć działanie uczulające na skórę. Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową).
Regulatory reference	Dz. U. 2024 poz. 1017 wraz z późn. zm.
Portugal - Occupational Exposure Limits	
Local name	Formaldeído
OEL C	0.3 mg/m³
Remark	S (Agente com potencial para produzir sensibilização); A2 (Agente carcinogénico confirmado nos animais de laboratório con relevância desconhecida no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Formaldehidă
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	P - posibilitatea unei penetrări cutanate importante; C2 - susceptibil de a provoca apariția cancerului
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)
Slovakia - Occupational Exposure Limits	
Local name	Formaldehyd (metanál)
NPHV (OEL TWA)	0.37 mg/m³
	0.3 ppm
NPHV (OEL STEL)	0.74 mg/m³
	0.6 ppm

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PURECHEM FORMALDEHYDE (50-00-0)	
Remark	Kategória karcinogénnych faktorov 1B – Pravdepodobný karcinogén; S* – látka môže spôsobiť dermálnu senzibilizáciu (senzibilizáciu kože).
Regulatory reference	Nariadenie vlády č. 356/2006 Z. z. (121/2024 Z. z.)
Slovenia - Occupational Exposure Limits	
Local name	formaldehyd
OEL TWA	0.37 mg/m ³
	0.3 ppm
OEL STEL	0.74 mg/m ³
	0.6 ppm
Remark	Rakovnoe snovi – kategorija 1B, Mutagene snovi za zarodne celice – kategorija 2. EU, K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), SK (Snov lahko povzroči preobčutljivost kože)
Regulatory reference	Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim ali mutagenim snovem pri delu
Spain - Occupational Exposure Limits	
Local name	Formaldehído
VLA-ED (OEL TWA)	0.37 mg/m ³
	0.3 ppm
VLA-EC (OEL STEL)	0.74 mg/m ³
	0.6 ppm
Remark	C1B (Supuesto carcinógeno para el hombre), Sen (Sensibilizante), 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 consúltese: 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).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Sweden - Occupational Exposure Limits	
Local name	Formaldehyd
NGV (OEL TWA)	0.37 mg/m ³
	0.3 ppm
KGV (OEL STEL)	0.74 mg/m ³
	0.6 ppm
Remark	C (Ämnet är cancerframkallande); H (Ämnet tas lätt upp genom huden. Gränsvärdet bedöms ge tillräckligt skydd om huden är skyddad); SH (Sensibiliserande ämnen som kan ge allergi eller annan överkänslighet i huden); 24 (Ämnet har ett bindande EU-gränsvärde)
Regulatory reference	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
United Kingdom - Occupational Exposure Limits	
Local name	Formaldehyde
WEL TWA (OEL TWA)	2.5 mg/m ³
	2 ppm

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PURECHEM FORMALDEHYDE (50-00-0)	
WEL STEL (OEL STEL)	2.5 mg/m³
	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	Formaldehýð (formalín)
OEL TWA	0.37 mg/m³
	0.3 ppm
OEL STEL	0.74 mg/m³
	0.6 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð), K (efnið er krabbameinsvaldandi)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 1137/2020)
Norway - Occupational Exposure Limits	
Local name	Formaldehyd
Grenseverdi (OEL TWA)	0.37 mg/m³
	0.3 ppm
Korttidsverdi (OEL STEL)	0.74 mg/m³
	0.6 ppm
Takverdi (OEL C)	1.2 mg/m³
	1 ppm
Remark	A: Kjemikalier som skal betraktes som at de fremkaller allergi eller annen overfølsomhet i øynene eller luftveier, eller som skal betraktes som at de fremkaller allergi ved hudkontakt; K: Kjemikalier som skal betraktes som kreftfremkallende; G: EU har fastsatt en bindende grenseverdi og/eller anmerkning for stoffet.
Regulatory reference	FOR-2024-04-05-581
North Macedonia - Occupational Exposure Limits	
Local name	формалдехид
OEL TWA	0.62 mg/m³
	0.5 ppm
KTV	1
Short time value [mg/m³]	0.62 mg/m³
Short time value [ppm]	0.5 ppm
Remark	(KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m3 или во ml/m3(ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (K) својство на полесно пренесување на супстанците во организмот преку кожата; (Y)

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PURECHEM FORMALDEHYDE (50-00-0)	
Regulatory reference	Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10)
Switzerland - Occupational Exposure Limits	
Local name	Formaldéhyde / Formaldehyd
MAK (OEL TWA)	0.37 mg/m ³
	0.3 ppm
KZGW (OEL STEL)	0.74 mg/m ³
	0.6 ppm
Notation	S, C1 [#] _B , SS _C / S, C1 [#] _B , SS _C
Remark	HSE, NIOSH, DFG, OSHA. Pas de risque accru de cancer si la VME est respectée / HSE, NIOSH, DFG, OSHA. Kein erhöhtes Krebsrisiko bei Einhalten des MAK-Werts
Regulatory reference	www.suva.ch, 18.06.2025
PROPAN-2-OL (67-63-0)	
Austria - Occupational Exposure Limits	
Local name	2-Propanol (Isopropanol; Isopropylalkohol)
MAK (OEL TWA)	500 mg/m ³
	200 ppm
MAK (OEL STEL)	2000 mg/m ³ (4x 15(Miw) min)
	800 ppm (4x 15(Miw) min)
Regulatory reference	BGBI. II Nr. 330/2024
Belgium - Occupational Exposure Limits	
Local name	Alcool isopropylique # Isopropylalcohol
OEL TWA	500 mg/m ³
	200 ppm
OEL STEL	1000 mg/m ³
	400 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Изопропилов алкохол
OEL TWA	980 mg/m ³
OEL STEL	1225 mg/m ³
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 28 от 2024 г., в сила от 05.04.2024 г.)
Croatia - Occupational Exposure Limits	
Local name	Propan-2-ol; izopropini alkohol; izopropanol
GVI (OEL TWA)	999 mg/m ³
	400 ppm
KGVI (OEL STEL)	1250 mg/m ³

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PROPAN-2-OL (67-63-0)	
	500 ppm
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Croatia - Biological limit values	
Local name	Propan-2-ol
BLV	50 mg/l Karakteristični pokazatelj: aceton - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene 0.86 µmol/l Karakteristični pokazatelj: aceton - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene 50 mg/l Karakteristični pokazatelj: aceton - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene 0.86 µmol/l Karakteristični pokazatelj: aceton - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 91/2018)
Czech Republic - Occupational Exposure Limits	
Local name	2-Propanol (Isopropanol; Isopropylalkohol)
PEL (OEL TWA)	500 mg/m ³
	200 ppm
NPK-P (OEL C)	1000 mg/m ³
	400 ppm
Remark	I - dráždí sliznice (oči, dýchací cesty), resp. kůže.
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 20/2025 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Isopropylalkohol (Isopropanol; 2-Propanol; sec-Propylalkohol)
OEL TWA	490 mg/m ³
	200 ppm
Regulatory reference	BEK nr 1619 af 19/12/2024
Estonia - Occupational Exposure Limits	
Local name	Isopropanool (isopropüülalkohol, 2-propanool)
OEL TWA	350 mg/m ³
	150 ppm
OEL STEL	600 mg/m ³
	250 ppm
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 02.04.2024, 13)
Finland - Occupational Exposure Limits	
Local name	2-Propanoli
HTP (OEL TWA)	500 mg/m ³
	200 ppm
HTP (OEL STEL)	620 mg/m ³
	250 ppm
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveystieteiden ministeriö)

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PROPAN-2-OL (67-63-0)	
France - Occupational Exposure Limits	
Local name	Alcool isopropylique
VLE (OEL C/STEL)	980 mg/m ³
	400 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Propan-2-ol
AGW (OEL TWA)	500 mg/m ³
	200 ppm
Peak exposure limitation factor	2(II)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900
Germany - Biological limit values (TRGS 903)	
Local name	Propan-2-ol
Biological limit value	25 mg/l Parameter: Aceton - Untersuchungsmaterial: B = Vollblut, U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 11/2012 DFG 25 mg/l Parameter: Aceton - Untersuchungsmaterial: U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 11/2012 DFG
Regulatory reference	TRGS 903
Greece - Occupational Exposure Limits	
Local name	Ισοπροπυλική αλκοόλη
OEL TWA	980 mg/m ³
	400 ppm
OEL STEL	1225 mg/m ³
	500 ppm
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
Local name	IZOPROPIL-ALKOHOL
AK (OEL TWA)	500 mg/m ³
	200 ppm
CK (OEL STEL)	1000 mg/m ³
	400 ppm
Remark	b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármat); R (Azok az anyagok, amelyek egészségkárosító hatása RÖVID expozíció hatására jelentkezik)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről

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PROPAN-2-OL (67-63-0)	
Hungary - Biological Exposure Indices	
Local name	Izopropil-alkohol (2-Propanol)
BEI	25 mg/l Biológiai expozíciós (hatás) mutató: aceton - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén) 430 µmol/l Biológiai expozíciós (hatás) mutató: aceton - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén)
Remark	A foglalkozási vegyi expozíció esetén ajánlott biológiai expozíciós és hatásmutatók határértékei
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	Isopropyl alcohol [Propan-2-ol]
OEL TWA	200 ppm
OEL STEL	400 ppm
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values), Skin (Substances which have the capacity to penetrate intact skin when they come in contact with it and be absorbed into the body. A substantial contribution to the total body burden via dermal exposure is possible)
Regulatory reference	Chemical Agents Code of Practice 2024
Ireland - Biological limit values	
Local name	2-Propanol
BMGV	40 mg/l Parameter: acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B (Background), Ns (Non-specific)
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)
Latvia - Occupational Exposure Limits	
Local name	Izopropanols (2-propanols, izopropilspirts, 1-metil-1-etanols)
OEL TWA	350 mg/m³
OEL STEL	600 mg/m³
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2024. gada 26. martā noteikumiem Nr. 191).
Latvia - Biological Exposure Indices	
Local name	Propān-2-ols (izopropanols, 2-propanols, izopropilspirts, 1-metil-1-etanols)
BEI	25 mg/l Acetonam asinīs - Paraugus iegūst ekspozīcijas beigās vai maiņas beigās 25 mg/l Acetonam urīnā - Paraugus iegūst ekspozīcijas beigās vai maiņas beigās
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2024. gada 26. martā noteikumiem Nr. 191).
Lithuania - Occupational Exposure Limits	
Local name	2-propanolis (izopropanolis, izopropilo alkoholis)
IPRV (OEL TWA)	350 mg/m³
	150 ppm
TPRV (OEL STEL)	600 mg/m³
	250 ppm
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)

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PROPAN-2-OL (67-63-0)	
Poland - Occupational Exposure Limits	
Local name	Propan-2-ol
NDS (OEL TWA)	900 mg/m³
NDSch (OEL STEL)	1200 mg/m³
Remark	Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową).
Regulatory reference	Dz. U. 2024 poz. 1017 wraz z późn. zm.
Portugal - Occupational Exposure Limits	
Local name	2-Propanol (isopropanol ou álcool isopropílico)
OEL TWA	200 ppm
OEL STEL	400 ppm
Remark	A4 (Agente não classificável como carcinogénico no Homem); IBE (Índice biológico de exposição)
Regulatory reference	Norma Portuguesa NP 1796:2014
Portugal - Biological Exposure Indices	
Local name	2-Propanol
BEI	40 mg/l Parâmetro: Acetona - Meio: urina - Momento da amostragem: Fim do turno no fim da semana de trabalho - Notação: Vb (Valor basal), Ne (Não específico)
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Alcool izopropilic/2-Propanol
OEL TWA	200 mg/m³
	81 ppm
OEL STEL	500 mg/m³
	203 ppm
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)
Romania - Biological limit values	
Local name	Alcool izopropilic
BLV	50 mg/l Indicatorul biologic: Acetonă - Material biologic: urină - Momentul recoltării: sfârșit de schimb
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)
Slovakia - Occupational Exposure Limits	
Local name	Izopropylalkohol (propán-2-ol)
NPHV (OEL TWA)	500 mg/m³
	200 ppm
NPHV (OEL STEL)	1000 mg/m³
	400 ppm
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (122/2024 Z. z.)
Slovenia - Occupational Exposure Limits	
Local name	propan-2-ol (izopropilalkohol; izopropanol)

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PROPAN-2-OL (67-63-0)	
OEL TWA	500 mg/m ³
	200 ppm
OEL STEL	1000 mg/m ³
	400 ppm
Remark	Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), BAT (Biološka mejna vrednost)
Regulatory reference	Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
Slovenia - Biological limit values	
Local name	2-propanol
BLV	25 mg/l Parameter: aceton - Biološki vzorec: kri - Čas vzorčenja: ob koncu delovne izmene 25 mg/l Parameter: aceton - Biološki vzorec: urin - Čas vzorčenja: ob koncu delovne izmene
Regulatory reference	Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
Spain - Occupational Exposure Limits	
Local name	Isopropanol (Alcohol isopropílico)
VLA-ED (OEL TWA)	500 mg/m ³
	200 ppm
VLA-EC (OEL STEL)	1000 mg/m ³
	400 ppm
Remark	VLB® (Agente químico que tiene Valor Límite Biológico), 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).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Spain - Biological limit values	
Local name	Isopropanol (Alcohol isopropílico)
BLV	40 mg/l Parámetro: Acetona - Medio: Orina - Momento de muestreo: Final de la semana laboral - Notas: F (Fondo. El indicador está generalmente presente en cantidades detectables en personas no expuestas laboralmente. Estos niveles de fondo están considerados en el valor VLB), I (Significa que el indicador biológico es inespecífico puesto que puede encontrarse después de la exposición a otros agentes químicos)
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Sweden - Occupational Exposure Limits	
Local name	Isopropanol
NGV (OEL TWA)	350 mg/m ³
	150 ppm
KGV (OEL STEL)	600 mg/m ³
	250 ppm
Remark	V (Vägledande korttidsgränsvärde som ska användas som ett rekommenderat högsta värde som inte bör överskridas)

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PROPAN-2-OL (67-63-0)	
Regulatory reference	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m³
	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³
	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	2-Própanól (ísóprópanól, ísóprópylalkóhól, sec-própylalkóhól)
OEL TWA	490 mg/m³
	200 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	2-propanol (Isopropanol)
Grenseverdi (OEL TWA)	245 mg/m³
	100 ppm
Regulatory reference	FOR-2024-04-05-581
North Macedonia - Occupational Exposure Limits	
Local name	пропан-2-ол (изопропилалкохол; изопропанол)
OEL TWA	500 mg/m³
	200 ppm
KTV	4
Short time value [mg/m³]	2000 mg/m³
Short time value [ppm]	800 ppm
Remark	(KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m3 или во ml/m3(ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (Y); (BAT) биолошка гранична вредност – праг на биолошка гранична вредност, што значи предупредување на опасна хемиска супстанца и нејзини метаболити во ткивата, телесните течности или издишувањето на воздухот, без оглед на тоа, дали опасната хемиска супстанца е внесена во организмот со вдишување, голтање или преку кожата
Regulatory reference	Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10)

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PROPAN-2-OL (67-63-0)	
Switzerland - Occupational Exposure Limits	
Local name	2-Propanol / 2-Propanol [iso-Propylalkohol, Isopropanol, Isopropylalkohol]
MAK (OEL TWA)	500 mg/m ³
	200 ppm
KZGW (OEL STEL)	1000 mg/m ³
	400 ppm
Notation	SS _C , B / SS _C , B
Remark	INRS, NIOSH
Regulatory reference	www.suva.ch, 18.06.2025
Switzerland - BAT	
Local name	2-Propanol / 2-Propanol
BAT	25 mg/l (0.4 mmol/l; Paramètre biologique: Acétone; Substrat d'examen: Sang complet; Moment du prélèvement: Fin de l'exposition, de la période de travail.) / (0.4 mmol/l; Biologischer Parameter: Aceton; Untersuchungsmaterial: Vollblut; Probennahmezeitpunkt: Expositionsende, bzw. Schichtende.) 25 mg/l (0.4 mmol/l; Paramètre biologique: Acétone; Substrat d'examen: Urine; Moment du prélèvement: Fin de l'exposition, de la période de travail.) / (0.4 mmol/l; Biologischer Parameter: Aceton; Untersuchungsmaterial: Urin; Probennahmezeitpunkt: Expositionsende, bzw. Schichtende.)
Regulatory reference	Ordonnance 832.30 (OPA), article 50 al. 3, www.suva.ch/valeurs-limites / Verordnung 832.30 (VUV), Art. 50 Abs. 3, www.suva.ch/grenzwerte
TRIAMEEN Y12D (2) (2372-82-9)	
Switzerland - Occupational Exposure Limits	
Local name	N'-(3-aminopropyl)-N'-dodécylpropane-1,3-diamine / N'-(3-Aminopropyl)-N'-dodécylpropan-1,3-diamin
MAK (OEL TWA)	0.05 mg/m ³ (i) / (e)
KZGW (OEL STEL)	0.4 mg/m ³ (i) / (e)
Notation	SS _C / SS _C
Regulatory reference	www.suva.ch, 18.06.2025

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

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Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

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	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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

None under recommended storage and handling conditions (see section 7).

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

CENTRADET CDG

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

CENTRADET N237/9 (160901-19-9)

LD50 oral rat	300 – 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:

CENTRADET NA (85536-14-7)

LD50 oral rat	1219 mg/kg Source: European chemical Substances Information System
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:

MONOETHANOLAMINE PURE (141-43-5)

LD50 oral rat	1089 mg/kg Source: OECD SIDS
LD50 dermal rabbit	2504 mg/kg Source: OECD SIDS
LC50 Inhalation - Rat (Vapours)	> 1487 mg/l Source: ECHA

PURECHEM FORMALDEHYDE (50-00-0)

LD50 oral rat	460 mg/kg Source: ECHA
LD50 dermal rabbit	0.27 mg/kg Source: ChemIDPlus
LC50 Inhalation - Rat [ppm]	< 463 ppm Source: ECHA

PROPAN-2-OL (67-63-0)

LD50 oral rat	5840 mg/kg Source: ECHA
LD50 dermal rabbit	12800 mg/kg Source: ECHA

TRIAMEEN Y12D (2) (2372-82-9)

LD50 oral rat	50 – 300 mg/kg
LD50 dermal rat	> 600 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Skin corrosion/irritation : Not classified

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CENTRADET CDG	
pH	10.5
CENTRADET N237/9 (160901-19-9)	
pH	5 – 7
CENTRADET NA (85536-14-7)	
pH	1.5
MONOETHANOLAMINE PURE (141-43-5)	
pH	12.1 Source: ECHA
PURECHEM FORMALDEHYDE (50-00-0)	
pH	2.8 – 4 Source: ECHA
TRIAMEEN Y12D (2) (2372-82-9)	
pH	> 7
Serious eye damage/irritation : Causes serious eye irritation.	
CENTRADET CDG	
pH	10.5
CENTRADET N237/9 (160901-19-9)	
pH	5 – 7
CENTRADET NA (85536-14-7)	
pH	1.5
MONOETHANOLAMINE PURE (141-43-5)	
pH	12.1 Source: ECHA
PURECHEM FORMALDEHYDE (50-00-0)	
pH	2.8 – 4 Source: ECHA
TRIAMEEN Y12D (2) (2372-82-9)	
pH	> 7
Respiratory or skin sensitisation : Not classified	
Germ cell mutagenicity : Not classified	
Carcinogenicity : Not classified	
PURECHEM FORMALDEHYDE (50-00-0)	
IARC group	1 - Carcinogenic to humans
PROPAN-2-OL (67-63-0)	
IARC group	3 - Not classifiable
Reproductive toxicity : Not classified	
MONOETHANOLAMINE PURE (141-43-5)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F0/P)	300 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
STOT-single exposure : Not classified	

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MONOETHANOLAMINE PURE (141-43-5)	
STOT-single exposure	May cause respiratory irritation.
PROPAN-2-OL (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
CENTRADET N237/9 (160901-19-9)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
CENTRADET NA (85536-14-7)	
LOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Remarks on results: other:
NOAEL (oral, rat, 90 days)	85 mg/kg bodyweight Animal: rat, Remarks on results: other:
NOAEL (subchronic, oral, animal/female, 90 days)	50 mg/kg bodyweight Animal: , Animal sex: female
MONOETHANOLAMINE PURE (141-43-5)	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other:, Guideline: other:
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.01 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study), Guideline: EU Method B.8 (Subacute Inhalation Toxicity: 28-Day Study)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
TRIAMREEN Y12D (2) (2372-82-9)	
LOAEL (dermal, rat/rabbit, 90 days)	5 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
MONOETHANOLAMINE PURE (141-43-5)	
Viscosity, kinematic	18.578 mm ² /s
PURECHEM FORMALDEHYDE (50-00-0)	
Viscosity, kinematic	1.949 – 2531.25 mm ² /s
PROPAN-2-OL (67-63-0)	
Viscosity, kinematic	2.658 mm ² /s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

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CENTRADET N237/9 (160901-19-9)	
LC50 - Fish [1]	0.96 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.46 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1 – 10 mg/l
EC50 72h - Algae [1]	0.179 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	0.22 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	0.0123 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
CENTRADET NA (85536-14-7)	
LC50 - Fish [1]	5.6 mg/l Source: European chemical Substances Information System
LC50 - Fish [2]	2.88 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	2.9 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1 – 10 mg/l
EC50 72h - Algae [1]	7.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d'
MONOETHANOLAMINE PURE (141-43-5)	
LC50 - Fish [1]	170 mg/l Source: OECD SIDS
EC50 - Crustacea [1]	32.6 mg/l
EC50 72h - Algae [1]	2.8 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	2.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	2.1 mg/l Source: ECHA
NOEC (chronic)	0.85 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	1.24 mg/l Test organisms (species): Oryzias latipes Duration: '41 d'
PURECHEM FORMALDEHYDE (50-00-0)	
LC50 - Fish [1]	6.7 mg/l Test organisms (species): Morone saxatilis
EC50 - Crustacea [1]	5.8 mg/l Test organisms (species): Daphnia pulex
EC50 72h - Algae [1]	3.48 mg/l Source: ECHA
NOEC (chronic)	≥ 6.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 48 mg/l Test organisms (species): Oryzias latipes Duration: '28 d'
PROPAN-2-OL (67-63-0)	
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas
TRIAMREEN Y12D (2) (2372-82-9)	
LC50 - Fish [1]	0.1 – 1 mg/l
EC50 - Crustacea [1]	0.0775 mg/l Test organisms (species): Daphnia magna

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TRIAMEEN Y12D (2) (2372-82-9)	
EC50 - Other aquatic organisms [1]	0.001 – 0.01 mg/l
EC50 72h - Algae [1]	0.02 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	0.012 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	0.066 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.024 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
CENTRADET CDG	
Persistence and degradability	Not rapidly degradable
CENTRADET N237/9 (160901-19-9)	
Persistence and degradability	Not rapidly degradable
CENTRADET NA (85536-14-7)	
Persistence and degradability	Not rapidly degradable
MONOETHANOLAMINE PURE (141-43-5)	
Persistence and degradability	Not rapidly degradable
PURECHEM FORMALDEHYDE (50-00-0)	
Persistence and degradability	Not rapidly degradable
PROPAN-2-OL (67-63-0)	
Persistence and degradability	Not rapidly degradable
LEMON 600	
Persistence and degradability	Not rapidly degradable
TRIAMEEN Y12D (2) (2372-82-9)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

CENTRADET NA (85536-14-7)	
Partition coefficient n-octanol/water (Log Pow)	2 Source: European chemical Substances Information System
MONOETHANOLAMINE PURE (141-43-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.31 Source: ICSC
PURECHEM FORMALDEHYDE (50-00-0)	
Partition coefficient n-octanol/water (Log Pow)	0.35 Source: ECHA
PROPAN-2-OL (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05 Source: ICSC

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	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

Inland waterway transport

Not regulated

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Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Occupational diseases	
Code	Description
RG 43	Diseases caused by formaldehyde and its polymers
RG 43 BIS	Cancerous conditions caused by formaldehyde
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine

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RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide
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Germany

Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
Water hazard class (WGK)	: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).
List of sensitizing substances (TRGS 907)	: Contains sensitizing substances according TRGS 907.
Chemicals Prohibition Ordinance (ChemVerbotsV)	: This product is subject to ChemVerbotsV Annex 1 Entry 1. Paragraph 1) Coated and uncoated wood-based materials (chipboard, blockboard, veneer panels, and fibreboard) may not be placed on the market if the equalizing concentration of formaldehyde in the air in a test room exceeds 0.1 ml / cbm (ppm). Paragraph 2) Furniture that contains wood-based materials that do not meet the requirements of Paragraph 1 may not be placed on the market. Paragraph 1 is also deemed to have been fulfilled if the furniture complies with the equalization concentration specified in paragraph 1 during a whole-body test. Paragraph 3) Detergents, cleaning agents and care products with a mass content of more than 0.2% formaldehyde may not be placed on the market.
Major Accidents Ordinance (12. BImSchV)	: Is not listed in the Major Accidents Ordinance (12. BImSchV)

Netherlands

ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: CENTRADET NA is listed
SZW-lijst van mutagene stoffen	: CENTRADET NA is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

Denmark

Danish National Regulations	: Pregnant/breastfeeding women working with the product must not be in direct contact with the product
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Poland

Polish National Regulations

: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as ammended)

Spain

Royal Decree 665/1997

: Is not subject to the Royal Decree 665/1997

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level

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Abbreviations and acronyms:	
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Full text of H- and EUH-statements:	
Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3

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Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.

ULTRA EASE WU LEMON

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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.