GET Plasti Dip® C23 Fl. Pink

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 7/7/2025 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : GET Plasti Dip® C-23 Fl. Pink
Product code : GETF954154C23-UV
Product group : Trade product
:

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Coating Solution

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
Plasti Dip International, Inc.
3920 Pheasant Ridge Drive
Blaine, MN 55449
Phone - (763) 785-2156

Distributor
Global Express
7 Indian Path
Millstone, NJ 08535
(732) 977-0605

EU Importer of Record
Plasti Dip UK Limited
Unit 1 Harvesting Lane
East Meon, GU32 1QR
United Kingdom

1.4. Emergency telephone number

Manufacturer Emergency number
CHEMTREC: 1-800-424-9300 (US);
+1 703-741-5970 (International)

Distributor Emergency Number
CHEMTREC: 1-800-424-9300 (US);
+1 703-741-5970 (International)

Importer Emergency Number
CHEMTREC: 1-800-424-9300 (US);
+1 703-741-5970 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Carcinogenicity, Category 2	H351
Reproductive toxicity, Category 2	H361
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08 GHS09

Signal word (CLP)	:	Danger
Contains	:	Distillates, petroleum, light distillate hydrotreating process, low-boiling; Naphtha, petroleum, hydrotreated light; Solvent naphtha, petroleum, light aliphatic; Octane; n-Heptane; Toluene; Benzene; Ethylbenzene; Naphthalene; Cyclohexane; Hexane; Isopropyl alcohol; Silica: Crystalline, quartz
Hazard statements (CLP)	:	H225 - Highly flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H361 - Suspected of damaging fertility or the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	:	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 - Dispose of contents and container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EUH statements	:	EUH208 - Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction.

2.3. Other hazards

The mixture contains Methyl ethyl ketone (CAS#78-93-3), which is 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 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha, petroleum, hydrotreated light	CAS-No.: 64742-49-0 EC-No.: 265-151-9 EC Index-No.: 649-328-00-1	30 – 60	Carc. 1B, H350 Muta. 1B, H340 Asp. Tox. 1, H304
Solvent naphtha, petroleum, light aliphatic	CAS-No.: 64742-89-8 EC-No.: 265-192-2 EC Index-No.: 649-267-00-0	30 – 60	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Distillates, petroleum, light distillate hydrotreating process, low-boiling	CAS-No.: 68410-97-9 EC-No.: 270-093-2 EC Index-No.: 649-332-00-3	15 – 40	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Xylene	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9	10 – 30	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-Heptane	CAS-No.: 142-82-5 EC-No.: 205-563-8 EC Index-No.: 601-008-00-2	7 – 13	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methyl ethyl ketone	CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethylbenzene	CAS-No.: 100-41-4 EC-No.: 202-849-4 EC Index-No.: 601-023-00-4	3 – 7	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Octane	CAS-No.: 111-65-9 EC-No.: 203-892-1 EC Index-No.: 601-009-00-8	1 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cyclohexane	CAS-No.: 110-82-7 EC-No.: 203-806-2 EC Index-No.: 601-017-00-1	1 – 5	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	CAS-No.: 41556-26-7 EC-No.: 255-437-1	0.1 – 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	CAS-No.: 82919-37-7 EC-No.: 280-060-4	0.1 – 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cumene	CAS-No.: 98-82-8 EC-No.: 202-704-5 EC Index-No.: 601-024-00-X	0.1 – 1	Flam. Liq. 3, H226 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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 exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

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

Symptoms/effects : May be fatal if swallowed and enters airways. Causes serious eye irritation. Causes skin irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. Dry powder. Sand. Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : Heating may cause an explosion.

Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent human exposure to fire, fumes, smoke and products of combustion. Do not dispose of fire-fighting water in the environment. Avoid contact with sprayed water - material slippery when wet.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Sweep or shovel spills into appropriate container for disposal.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Product may create slip hazard. Wash spill area thoroughly with plenty of soap and water. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapour. Do not breathe mist, vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials : Sources of ignition.

7.3. Specific end use(s)

Coating solution

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Distillates, petroleum, light distillate hydrotreating process, low-boiling (68410-97-9)	
EU - Biological Limit Value (BLV)	
Remark	OELs not established
United Kingdom - Occupational Exposure Limits	
Remark	OELs not established
USA - ACGIH - Occupational Exposure Limits	
Remark (ACGIH)	OELs not established

Naphtha, petroleum, hydrotreated light (64742-49-0)	
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	500 mg/m³ (extraction)
NDSCh (OEL STEL)	1500 mg/m³ (extraction (Benzin)
USA - ACGIH - Occupational Exposure Limits	
Local name	Hexane (Commercial, <54% n-hexane)
ACGIH® TLV® TWA	100 ppm
Remark (ACGIH)	TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)

Naphtha, petroleum, hydrotreated light (64742-49-0)	
Regulatory reference	ACGIH 2024
Solvent naphtha, petroleum, light aliphatic (64742-89-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Hexane (Commercial, <54% n-hexane)
ACGIH® TLV® TWA	100 ppm
Regulatory reference	ACGIH 2024
Octane (111-65-9)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1400 mg/m³ (Octane all isomers)
	300 ppm (Octane all isomers)
MAK (OEL STEL)	5600 mg/m³ (Octane all isomers)
	1200 ppm (Octane all isomers)
Belgium - Occupational Exposure Limits	
OEL TWA	1420 mg/m³
	300 ppm
OEL STEL	1775 mg/m³
	375 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	1450 mg/m³
OEL STEL	1800 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA	935 mg/m³
	200 ppm
OEL STEL	1870 mg/m³
	400 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1400 mg/m³ (Octane)
	300 ppm (Octane)
HTP (OEL STEL)	1800 mg/m³
	380 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	1450 mg/m³
	300 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2400 mg/m³
	500 ppm
AGW (OEL C)	4800 mg/m³
AGW (OEL C) [ppm]	1000 ppm

Octane (111-65-9)	
Greece - Occupational Exposure Limits	
OEL TWA	2350 mg/m³
	500 ppm
OEL STEL	2350 mg/m³
	500 ppm
Hungary - Occupational Exposure Limits	
CK (OEL STEL)	4700 mg/m³
Ireland - Occupational Exposure Limits	
OEL TWA	1450 mg/m³
	300 ppm
OEL STEL	4350 mg/m³ (calculated)
	900 ppm (calculated)
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1000 mg/m³
NDSCh (OEL STEL)	1800 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	1500 mg/m³
	322 ppm
OEL STEL	2000 mg/m³
	429 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL C)	1400 mg/m³ (Octanes)
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	1420 mg/m³
	300 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1200 mg/m³
	210 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	725 mg/m³
	150 ppm
Korttidsverdi (OEL STEL)	906.25 mg/m³ (value calculated)
	187.5 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1400 mg/m³
	300 ppm
KZGW (OEL STEL)	2800 mg/m³
	600 ppm

Octane (111-65-9)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Octane, all isomers
ACGIH® TLV® TWA	300 ppm
Remark (ACGIH)	TLV® Basis: URT irr
Regulatory reference	ACGIH 2024

n-Heptane (142-82-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	2085 mg/m³
	500 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	2000 mg/m³
	500 ppm
MAK (OEL STEL)	8000 mg/m³
	2000 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1664 mg/m³
	400 ppm
OEL STEL	2085 mg/m³
	500 ppm
Denmark - Occupational Exposure Limits	
OEL TWA	820 mg/m³
	200 ppm
OEL STEL	1640 mg/m³
	400 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1200 mg/m³
	300 ppm
HTP (OEL STEL)	2100 mg/m³
	500 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	1668 mg/m³
	400 ppm
VLE (OEL C/STEL)	2100 mg/m³
	500 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2100 mg/m³
	500 ppm
AGW (OEL C)	2100 mg/m³
AGW (OEL C) [ppm]	500 ppm

n-Heptane (142-82-5)	
Ireland - Occupational Exposure Limits	
OEL TWA	2085 mg/m³
	500 ppm
Italy - Occupational Exposure Limits	
OEL TWA	2085 mg/m³
	500 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	350 mg/m³
	85 ppm
OEL STEL	2085 mg/m³
	500 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	1200 mg/m³
TGG-15min (OEL STEL)	1600 mg/m³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	500 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	Heptane, isomers (n-Heptane)
ACGIH® TLV® TWA	400 ppm
ACGIH® TLV® STEL	500 ppm (listed under Heptane, all isomers)
Remark (ACGIH)	TLV® Basis: CNS impair; URT irr
Regulatory reference	ACGIH 2024

Ethylbenzene (100-41-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	442 mg/m³
	100 ppm
IOEL STEL	884 mg/m³
	200 ppm
Remark	Possibility of significant uptake through the skin
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	440 mg/m³
	100 ppm
MAK (OEL STEL)	880 mg/m³
	200 ppm
OEL chemical category	Skin notation
Belgium - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	551 mg/m³

Ethylbenzene (100-41-4)	
	125 ppm
OEL chemical category	Skin, Skin notation
Bulgaria - Occupational Exposure Limits	
OEL TWA	435 mg/m³
OEL STEL	545 mg/m³
Bulgaria - Biological limit values	
BLV	2000 mg/g creatinine Parameter: Mandelic acid and Phenylglyoxylic acid - total - Medium: urine - Sampling time: at the end of exposure or end of work shift (possible significant absorption through the skin)
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	442 mg/m³
	100 ppm
KGVI (OEL STEL)	884 mg/m³
	200 ppm
OEL chemical category	Skin notation
Croatia - Biological limit values	
BLV	1.5 mg/l Parameter: Ethylbenzene - Medium: blood - Sampling time: during exposure 1.5 g/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: at the end of the work shift and at the end of the working week (calculated on the average Creatinine value of 1.2 g/L urine)
Cyprus - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Skin-potential for cutaneous absorption
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	200 mg/m³
OEL chemical category	Potential for cutaneous absorption
Czech Republic - Biological limit values	
BLV	1100 µmol/mmol Creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: end of shift 1500 mg/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: end of shift
Denmark - Occupational Exposure Limits	
OEL TWA	217 mg/m³
	50 ppm
OEL STEL	434 mg/m³
	100 ppm
OEL chemical category	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
OEL TWA	442 mg/m³

Ethylbenzene (100-41-4)	
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Skin notation, Sensitizer
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	220 mg/m³
	50 ppm
HTP (OEL STEL)	880 mg/m³
	200 ppm
OEL chemical category	Potential for cutaneous absorption
Finland - Biological limit values	
BLV	Parameter: Mandelic acid - Medium: urine - Sampling time: after the shift after a working week or exposure period
France - Occupational Exposure Limits	
VME (OEL TWA)	88.4 mg/m³ TWA [VME] (restrictive limit)
	20 ppm TWA [VME] (restrictive limit)
VLE (OEL C/STEL)	442 mg/m³ STEL [VLCT] (restrictive limit)
	100 ppm STEL [VLCT] (restrictive limit)
OEL chemical category	risk of cutaneous absorption
France - Biological limit values	
BLV	Parameter: Mandelic acid - Medium: urine - Sampling time: end of shift at end of workweek (per the Authority, the values for this substance must be decided and/or determined on a case by case basis. Guidance for the calculation of and interpretation of values is provided in the source)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	88 mg/m³
	20 ppm
AGW (OEL C)	176 mg/m³
AGW (OEL C) [ppm]	40 ppm
Chemical category	Skin notation
Germany - Biological limit values (TRGS 903)	
Biological limit value	250 mg/g creatinine Parameter: Mandelic acid plus Phenylglyoxylic acid - Medium: urine - Sampling time: end of shift
Gibraltar - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Skin notation
Greece - Occupational Exposure Limits	
OEL TWA	435 mg/m³

Ethylbenzene (100-41-4)	
	100 ppm
OEL STEL	545 mg/m³
	125 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	442 mg/m³
CK (OEL STEL)	884 mg/m³
OEL chemical category	Potential for cutaneous absorption
Ireland - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Potential for cutaneous absorption
Italy - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	skin - potential for cutaneous absorption
Latvia - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	skin - potential for cutaneous exposure
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	442 mg/m³
	100 ppm
TPRV (OEL STEL)	884 mg/m³
	200 ppm
OEL chemical category	Skin notation
Luxembourg - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Possibility of significant uptake through the skin
Malta - Occupational Exposure Limits	
OEL TWA	442 mg/m³

Ethylbenzene (100-41-4)	
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Possibility of significant uptake through the skin
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	215 mg/m³
	48.6 ppm
TGG-15min (OEL STEL)	430 mg/m³
	97.3 ppm
MAC chemical category	Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	200 mg/m³
NDSCh (OEL STEL)	400 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	442 mg/m³ (indicative limit value)
	100 ppm (indicative limit value)
OEL STEL	884 mg/m³ (indicative limit value)
	200 ppm (indicative limit value)
OEL chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, skin - potential for cutaneous exposure indicative limit value
Romania - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Skin notation
Romania - Biological limit values	
BLV	1.5 g/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: end of work week
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	442 mg/m³
	100 ppm
NPHV (OEL C)	884 mg/m³
OEL chemical category	Potential for cutaneous absorption
Slovakia - Biological limit values	
BLV	12 mg/l Parameter: 2 and 4-Ethylphenol - Medium: urine - Sampling time: end of exposure or work shift (also after all work shifts for long-term exposure) 1600 mg/l Parameter: Mandelic acid and Phenylglycolic acid - Medium: urine - Sampling time: end of exposure or work shift (also after all work shifts for long-term exposure)
Slovenia - Occupational Exposure Limits	
OEL TWA	442 mg/m³

Ethylbenzene (100-41-4)	
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	441 mg/m³
	100 ppm
VLA-EC (OEL STEL)	884 mg/m³
	200 ppm
OEL chemical category	skin - potential for cutaneous absorption
Spain - Biological limit values	
BLV	700 mg/g creatinine Parameter: Mandelic acid plus Phenylglyoxylic acid - Medium: urine - Sampling time: end of workweek
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	220 mg/m³
	50 ppm
KGV (OEL STEL)	884 mg/m³
	200 ppm
OEL chemical category	Skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	441 mg/m³
	100 ppm
WEL STEL (OEL STEL)	552 mg/m³
	125 ppm
WEL chemical category	Potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	20 mg/m³
	5 ppm
Korttidsverdi (OEL STEL)	30 mg/m³ (value calculated)
	10 ppm (value calculated)
OEL chemical category	Skin notation, Carcinogen
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	435 mg/m³
	100 ppm
KZGW (OEL STEL)	435 mg/m³
	100 ppm
OEL chemical category	Skin notation
Switzerland - BAT	
BAT	600 mg/g creatinine Parameter: Mandelic acid and Phenylglyoxylacid - Medium: urine - Sampling time: end of shift (see also Styrene)

Ethylbenzene (100-41-4)	
Turkey - Occupational Exposure Limits	
OEL TWA	442 mg/m³
	100 ppm
OEL STEL	884 mg/m³
	200 ppm
OEL chemical category	Skin notation
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethyl benzene
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Ethyl benzene
BEI	150 mg/g creatinine Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2024

Cyclohexane (110-82-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	700 mg/m³
	200 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	700 mg/m³
	200 ppm
MAK (OEL STEL)	2800 mg/m³
	800 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	350 mg/m³
	100 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	700 mg/m³
	200 ppm
OEL chemical category	Skin notation

Cyclohexane (110-82-7)	
Croatia - Biological limit values	
BLV	150 mg/g creatinine Parameter: 1,2-Cyclohexanediol - Medium: urine - Sampling time: at the end of the work shift; at chronic exposure after several successive shifts (calculated on the average Creatinine value of 1.2 g/L urine) 450 µg/l Parameter: Cyclohexanol - Medium: blood - Sampling time: during exposure 3.2 mg/g creatinine Parameter: Cyclohexanol - Medium: urine - Sampling time: during the second half of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)
Cyprus - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	700 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA	172 mg/m³
	50 ppm
OEL STEL	344 mg/m³
	100 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	350 mg/m³
	100 ppm
HTP (OEL STEL)	875 mg/m³
	250 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	700 mg/m³
	200 ppm
VLE (OEL C/STEL)	1300 mg/m³ (restrictive limit: this value is not set by regulation and comes from a circular published by the Ministry of Labor.)
	375 ppm (restrictive limit: this value is not set by regulation and comes from a circular published by the Ministry of Labor.)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	700 mg/m³
	200 ppm
AGW (OEL C)	2800 mg/m³
AGW (OEL C) [ppm]	800 ppm
Germany - Biological limit values (TRGS 903)	
Biological limit value	150 mg/g creatinine Parameter: total 1,2-Cyclohexanediol (after hydrolysis) - Medium: urine - Sampling time: end of shift 150 mg/g creatinine Parameter: total 1,2-Cyclohexanediol (after hydrolysis) - Medium: urine - Sampling time: for long-term exposures: at the end of the shift after several shifts

Cyclohexane (110-82-7)	
Gibraltar - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Greece - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	700 mg/m³
Ireland - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
OEL STEL	2100 mg/m³ (calculated)
	600 ppm (calculated)
Italy - Occupational Exposure Limits	
OEL TWA	350 mg/m³
	100 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	80 mg/m³
	23 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	700 mg/m³
	200 ppm
Luxembourg - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Malta - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	700 mg/m³
	200 ppm
TGG-15min (OEL STEL)	1400 mg/m³
	400 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	300 mg/m³
NDSCh (OEL STEL)	1000 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	700 mg/m³ (indicative limit value)
	200 ppm (indicative limit value)

Cyclohexane (110-82-7)	
Romania - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	700 mg/m³
	200 ppm
Slovenia - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm
OEL STEL	2800 mg/m³
	800 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	700 mg/m³
	200 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	700 mg/m³
	200 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	350 mg/m³
	100 ppm
WEL STEL (OEL STEL)	1050 mg/m³
	300 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	525 mg/m³
	150 ppm
Korttidsverdi (OEL STEL)	656.25 mg/m³ (value calculated)
	187.5 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	700 mg/m³
	200 ppm
KZGW (OEL STEL)	2800 mg/m³
	800 ppm
Switzerland - BAT	
BAT	150 mg/g creatinine Parameter: total 1,2-Cyclohexanediol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures) Parameter: total 1,2-Cyclohexanediol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)
Turkey - Occupational Exposure Limits	
OEL TWA	700 mg/m³
	200 ppm

Cyclohexane (110-82-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Cyclohexane
ACGIH® TLV® TWA	100 ppm
Remark (ACGIH)	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Cyclohexane
BEI	50 mg/g creatinine Parameter: 1,2-Cyclohexanediol - Medium: urine - Sampling time: End of shift, end of workweek - Notations: Ns
Regulatory reference	ACGIH 2024

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
USA - ACGIH - Occupational Exposure Limits	
Remark (ACGIH)	OELs not established

Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester (82919-37-7)	
USA - ACGIH - Occupational Exposure Limits	
Remark (ACGIH)	OELs not established

Xylene (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	221 mg/m³
	50 ppm
IOEL STEL	442 mg/m³
	100 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	221 mg/m³
	50 ppm
MAK (OEL STEL)	442
	100 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	221
	50 ppm
OEL STEL	442 mg/m³
	100 ppm
Denmark - Occupational Exposure Limits	
OEL TWA	109 mg/m³
	25 ppm
OEL STEL	218 mg/m³
	50 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	220 mg/m³

Xylene (1330-20-7)	
	50 ppm
HTP (OEL STEL)	440 mg/m³
	100 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	221 mg/m³ [VME] (restrictive limit)
	50 ppm [VME] (restrictive limit)
VLE (OEL C/STEL)	442 mg/m³ [VLCT] (restrictive limit)
	100 ppm [VLCT] (restrictive limit)
OEL chemical category	risk of cutaneous absorption
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	440 mg/m³
	100 ppm
AGW (OEL C)	880 mg/m³
AGW (OEL C) [ppm]	200 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	221 mg/m³
CK (OEL STEL)	442 mg/m³
Ireland - Occupational Exposure Limits	
OEL TWA	221 mg/m³
	50 ppm
OEL STEL	442 mg/m³
	100 ppm
Italy - Occupational Exposure Limits	
OEL TWA	50 ppm TWA (pure)
OEL STEL	100 ppm STEL (pure)
OEL chemical category	skin - potential for cutaneous absorption
Latvia - Occupational Exposure Limits	
OEL TWA	221 mg/m³
	50 ppm
OEL STEL	442 mg/m³
	100 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	100 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	221 mg/m³
	50 ppm
OEL STEL	422 mg/m³
	100 ppm

Xylene (1330-20-7)	
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	221 mg/m³
	50 ppm
VLA-EC (OEL STEL)	442 mg/m³
	100 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	221 mg/m³
	50 ppm
KGV (OEL STEL)	442 mg/m³
	100 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	221 mg/m³
	50 ppm
WEL STEL (OEL STEL)	442 mg/m³
	100 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	435 mg/m³
	100 ppm
KZGW (OEL STEL)	870 mg/m³
	200 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH® TLV® TWA	221 mg/m³
	50 ppm
ACGIH® TLV® STEL	442 mg/m³
	100 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Xylenes (technical or commercial grade)
BEI	0.3 g/g creatinine Parameter: Methylhippuric acids (The determinants refer to the total of all isomers of methylhippuric acids) - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2024

Cumene (98-82-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	100 mg/m³
	20 ppm
IOEL STEL	250 mg/m³
	50 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	100 mg/m³
	20 ppm
MAK (OEL STEL)	250 mg/m³
	50 ppm
OEL chemical category	Skin notation
Belgium - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Skin, Skin notation
Bulgaria - Occupational Exposure Limits	
OEL TWA	50 mg/m³ (exposure monitoring should take into account the relevant biological monitoring methods of the Scientific Committee on Occupational Exposure Limits (SCOEL) under Annex 2)
	10 ppm (exposure monitoring should take into account the relevant biological monitoring methods of the Scientific Committee on Occupational Exposure Limits (SCOEL) under Annex 2)
OEL STEL	250 mg/m³ (exposure monitoring should take into account the relevant biological monitoring methods of the Scientific Committee on Occupational Exposure Limits (SCOEL) under Annex 2)
	50 ppm (exposure monitoring should take into account the relevant biological monitoring methods of the Scientific Committee on Occupational Exposure Limits (SCOEL) under Annex 2)
Bulgaria - Biological limit values	
BLV	7 mg/g creatinine Parameter: 2-Phenol-2 propanol - Medium: urine - Sampling time: up to two hours after the end of work shift (possible significant absorption through the skin)
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	50 mg/m³ (during the monitoring of exposure the relevant value of biological monitoring shall be taken into account as suggested by the Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL) (Cumene)
	10 ppm (during the monitoring of exposure the relevant value of biological monitoring shall be taken into account as suggested by the Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL) (Cumene)
KGVI (OEL STEL)	250 mg/m³ (during the monitoring of exposure the relevant value of biological monitoring shall be taken into account as suggested by the Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL) (Cumene)
	50 ppm

Cumene (98-82-8)	
OEL chemical category	Skin notation during the monitoring of exposure the relevant value of biological monitoring shall be taken into account as suggested by the Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL)
Cyprus - Occupational Exposure Limits	
OEL TWA	50 mg/m³ (inhalable fraction)
	10 ppm (inhalable fraction)
OEL STEL	250 mg/m³ (inhalable fraction)
	50 ppm (inhalable fraction)
OEL chemical category	Skin-potential for cutaneous absorption
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	100 mg/m³
OEL chemical category	Potential for cutaneous absorption
Denmark - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	200 mg/m³
	40 ppm
OEL chemical category	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	10 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Skin notation
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	100 mg/m³
	20 ppm
HTP (OEL STEL)	250 mg/m³
	50 ppm
OEL chemical category	Potential for cutaneous absorption
France - Occupational Exposure Limits	
VME (OEL TWA)	100 mg/m³
	20 ppm
VLE (OEL C/STEL)	250 mg/m³
	50 ppm
OEL chemical category	Carcinogen category 1B, risk of cutaneous absorption
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	50 mg/m³
	10 ppm
AGW (OEL C)	200 mg/m³

Cumene (98-82-8)	
AGW (OEL C) [ppm]	40 ppm
Chemical category	Skin notation
Germany - Biological limit values (TRGS 903)	
Biological limit value	10 mg/g creatinine Parameter: 2-Phenyl-2-propanol (after hydrolysis) - Medium: urine - Sampling time: end of shift
Gibraltar - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Skin notation
Greece - Occupational Exposure Limits	
OEL TWA	50 mg/m³ (during the monitoring of the exposure, the relevant biological monitoring values recommended by the Scientific Committee on Occupational Exposure Limit Values (SCOEL) should be taken under consideration)
	10 ppm (during the monitoring of the exposure, the relevant biological monitoring values recommended by the Scientific Committee on Occupational Exposure Limit Values (SCOEL) should be taken under consideration)
OEL STEL	250 mg/m³ (during the monitoring of the exposure, the relevant biological monitoring values recommended by the Scientific Committee on Occupational Exposure Limit Values (SCOEL) should be taken under consideration)
	50 ppm (during the monitoring of the exposure, the relevant biological monitoring values recommended by the Scientific Committee on Occupational Exposure Limit Values (SCOEL) should be taken under consideration)
OEL chemical category	skin - potential for cutaneous absorption during the monitoring of the exposure, the relevant biological monitoring values recommended by the Scientific Committee on Occupational Exposure Limit Values (SCOEL) should be taken under consideration
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	100 mg/m³
CK (OEL STEL)	250 mg/m³
OEL chemical category	Potential for cutaneous absorption
Ireland - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Potential for cutaneous absorption
Italy - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	skin - potential for cutaneous absorption

Cumene (98-82-8)	
Latvia - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	skin - potential for cutaneous exposure
Latvia - Biological Exposure Indices	
BEI	7 µg/g creatinine Parameter: Cumene - Medium: urine - Sampling time: no later than two hours after the end of the shift
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	50 mg/m³ (in addition to the indicative occupational exposure limit values, biological monitoring values must be taken into account when monitoring exposure)
	10 ppm (in addition to the indicative occupational exposure limit values, biological monitoring values must be taken into account when monitoring exposure)
TPRV (OEL STEL)	170 mg/m³ (in addition to the indicative occupational exposure limit values, biological monitoring values must be taken into account when monitoring exposure)
	35 ppm (in addition to the indicative occupational exposure limit values, biological monitoring values must be taken into account when monitoring exposure)
OEL chemical category	Skin notation
Luxembourg - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	10 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
Malta - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	10 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Possibility of significant uptake through the skin
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	100 mg/m³
	10 ppm
TGG-15min (OEL STEL)	250 mg/m³
	50 ppm
MAC chemical category	Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	100 mg/m³
NDSCh (OEL STEL)	250 mg/m³

Cumene (98-82-8)	
Portugal - Occupational Exposure Limits	
OEL TWA	50 mg/m³ (indicative limit value)
	10 ppm (indicative limit value)
OEL STEL	250 mg/m³ (indicative limit value)
	50 ppm (indicative limit value)
OEL chemical category	skin - potential for cutaneous exposure indicative limit value
Romania - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Skin notation
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	500 mg/m³
	20 ppm
NPHV (OEL C)	250 mg/m³
OEL chemical category	Potential for cutaneous absorption
Slovakia - Biological limit values	
BLV	10.6 mg/l Parameter: 2-Phenylpropane - Medium: urine - Sampling time: end of exposure or work shift
Slovenia - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	10 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	100 mg/m³
	20 ppm
VLA-EC (OEL STEL)	250 mg/m³
	50 ppm
OEL chemical category	C1B, skin - potential for cutaneous absorption
Spain - Biological limit values	
BLV	7 mg/g creatinine Parameter: 2-Phenyl-2-propanol - Medium: urine - Sampling time: end of shift (with hydrolysis)
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	120 mg/m³
	25 ppm
KGV (OEL STEL)	250 mg/m³
	50 ppm

Cumene (98-82-8)	
OEL chemical category	Skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	125 mg/m³
	25 ppm
WEL STEL (OEL STEL)	375 mg/m³
	75 ppm
WEL chemical category	Potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	50 mg/m³
	10 ppm
Korttidsverdi (OEL STEL)	250 mg/m³ (value from the regulation)
	50 ppm (value from the regulation)
OEL chemical category	Skin notation, Carcinogen
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	100 mg/m³
	20 ppm
KZGW (OEL STEL)	400 mg/m³
	80 ppm
OEL chemical category	Skin notation, Category C2 carcinogen
Switzerland - BAT	
BAT	20 mg/g creatinine Parameter: 2-Phenyl-2-propanol after hydrolysis - Medium: urine - Sampling time: end of shift Parameter: 2-Phenyl-2-propanol after hydrolysis - Medium: urine - Sampling time: end of shift
Turkey - Occupational Exposure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	250 mg/m³
	50 ppm
OEL chemical category	Skin notation
USA - ACGIH - Occupational Exposure Limits	
Local name	Cumene
ACGIH® TLV® TWA	50 ppm
Remark (ACGIH)	TLV® Basis: URT adenoma; neurological eff. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2024

Methyl ethyl ketone (78-93-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	600 mg/m³

Methyl ethyl ketone (78-93-3)	
	200 ppm
IOEL STEL	900 mg/m³
	300 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	295 mg/m³
	100 ppm
MAK (OEL STEL)	590 mg/m³
	200 ppm
OEL chemical category	Skin notation
Belgium - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	590 mg/m³
OEL STEL	885 mg/m³
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	600 mg/m³
	200 ppm
KGVI (OEL STEL)	900 mg/m³
	300 ppm
Croatia - Biological limit values	
BLV	2.6 mg/g creatinine Parameter: Ethyl methyl ketone - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)
Cyprus - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	600 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA	145 mg/m³
	50 ppm
OEL STEL	290 mg/m³
	100 ppm
OEL chemical category	Potential for cutaneous absorption

Methyl ethyl ketone (78-93-3)	
Estonia - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	60 mg/m³
	20 ppm
HTP (OEL STEL)	300 mg/m³
	100 ppm
OEL chemical category	Potential for cutaneous absorption
France - Occupational Exposure Limits	
VME (OEL TWA)	600 mg/m³
	200 ppm
VLE (OEL C/STEL)	900 mg/m³
	300 ppm
OEL chemical category	risk of cutaneous absorption
France - Biological limit values	
BLV	Parameter: Methylethylketone - Medium: urine - Sampling time: end of shift (per the Authority, the values for this substance must be decided and/or determined on a case by case basis. Guidance for the calculation of and interpretation of values is provided in the source)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	600 mg/m³
	200 ppm
AGW (OEL C)	600 mg/m³
AGW (OEL C) [ppm]	200 ppm
Chemical category	Skin notation
Germany - Biological limit values (TRGS 903)	
Biological limit value	2 mg/l Parameter: 2-Butanone - Medium: urine - Sampling time: end of shift
Gibraltar - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Greece - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm

Methyl ethyl ketone (78-93-3)	
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	600 mg/m³
CK (OEL STEL)	900 mg/m³
OEL chemical category	Potential for cutaneous absorption
Ireland - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
OEL chemical category	Potential for cutaneous absorption
Italy - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	200 mg/m³
	67 ppm
OEL STEL	900 mg/m³
	300 ppm
Luxembourg - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Malta - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	590 mg/m³
	197 ppm
TGG-15min (OEL STEL)	900 mg/m³
	300 ppm
MAC chemical category	Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	590
NDSCh (OEL STEL)	900

Methyl ethyl ketone (78-93-3)	
Portugal - Occupational Exposure Limits	
OEL TWA	600 mg/m³ (indicative limit value)
	200 ppm (indicative limit value)
OEL STEL	900 mg/m³ (indicative limit value)
	300 ppm (indicative limit value)
Romania - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
Romania - Biological limit values	
BLV	2 mg/l Parameter: Methylethylketone - Medium: urine - Sampling time: end of shift
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	600 mg/m³
	200 ppm
NPHV (OEL C)	900 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	600 mg/m³
	200 ppm
VLA-EC (OEL STEL)	900 mg/m³
	300 ppm
Spain - Biological limit values	
BLV	2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: end of shift
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	150 mg/m³
	50 ppm
KGV (OEL STEL)	900 mg/m³
	600 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	600 mg/m³
	200 ppm
WEL STEL (OEL STEL)	899 mg/m³
	300 ppm

Methyl ethyl ketone (78-93-3)	
WEL chemical category	Potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	220 mg/m³
	75 ppm
Korttidsverdi (OEL STEL)	275 mg/m³ (value calculated)
	112.5 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	590 mg/m³
	200 ppm
KZGW (OEL STEL)	590 mg/m³
	200 ppm
OEL chemical category	Skin notation
Switzerland - BAT	
BAT	2 mg/l Parameter: 2-Butanone - Medium: urine - Sampling time: end of shift, before subsequent shift or 16 hour 27.7 µmol/l Parameter: 2-Butanone - Medium: urine - Sampling time: end of shift, before subsequent shift or 16 hour
Turkey - Occupational Exposure Limits	
OEL TWA	600 mg/m³
	200 ppm
OEL STEL	900 mg/m³
	300 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	Methyl ethyl ketone (MEK)
ACGIH® TLV® TWA	200 ppm
ACGIH® TLV® STEL	300 ppm
Remark (ACGIH)	TLV® Basis: Embryo/fetal dam; URT irr; headache; dizziness. Notations: Skin; BEI
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Methyl ethyl ketone
BEI	2 mg/l Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific)
Regulatory reference	ACGIH 2024

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

8.2.2. Personal protection equipment

Personal protective equipment:
Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles [EN 166]

8.2.2.2. Skin protection

Skin and body protection:
Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure. [EN 14605:2005 and EN 13034:2005]

Hand protection:
Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Change contaminated gloves immediately. Suitable gloves for this specific application can be recommended by the glove supplier. Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified and selected according to regional or national standards. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate PVC, or vinyl. Suitable gloves should be recommended by the glove supplier.

8.2.2.3. Respiratory protection

Respiratory protection:
Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Use European Standard EN 529:2005 (or other equivalent national standard) -approved dust/particulate respirator

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Fluorescent pink.
Odour	:	characteristic.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive limits	:	Not available
Lower explosion limit	:	Not available

Upper explosion limit	:	Not available
Flash point	:	15 °C (59 °F) (VM&P Naphtha value)
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 size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle aggregation state	:	Not applicable
Particle agglomeration state	:	Not applicable
Particle specific surface area	:	Not applicable
Particle dustiness	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources. Heat. Open flame. Sparks.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases. Amines. Alkali metals. Halogens.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

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

Distillates, petroleum, light distillate hydrotreating process, low-boiling (68410-97-9)	
LD50 oral rat	5170 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 3000 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat [ppm]	> 12408 ppm/4h

Naphtha, petroleum, hydrotreated light (64742-49-0)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat	> 23.3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat [ppm]	73680 ppm/4h

Solvent naphtha, petroleum, light aliphatic (64742-89-8)	
LD50 oral rat	5000 mg/kg mouse; (Source: IUCLID)
LD50 dermal rabbit	3000 mg/kg (Source: IUCLID)

Octane (111-65-9)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	118 g/m³ 4 h
LC50 Inhalation - Rat (Vapours)	> 24.88 mg/l Source: ECHA

n-Heptane (142-82-5)	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	3000 mg/kg
LC50 Inhalation - Rat	103 g/m³ 4h

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 Inhalation - Rat	17.2 mg/l/4h
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP

Cyclohexane (110-82-7)	
LD50 oral rat	12705 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	13.9 mg/l/4h

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LD50 oral rat	2615 mg/kg

Xylene (1330-20-7)	
LD50 oral rat	3523 mg/kg
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other:
LC50 Inhalation - Rat	27124 mg/m³ (air)

Xylene (1330-20-7)	
LC50 Inhalation - Rat [ppm]	5922 ppm

Cumene (98-82-8)	
LD50 oral rat	2910 mg/kg Source: HSDB
LD50 oral	2700 mg/kg bodyweight
LD50 dermal rabbit	12300 µl/kg
LC50 Inhalation - Rat [ppm]	> 3577 ppm 6 h

Methyl ethyl ketone (78-93-3)	
LD50 oral rat	2483 mg/kg (Source: JAPAN_GHS)
LD50 oral	4000 mg/kg bodyweight
LD50 dermal rabbit	5000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat [ppm]	11700 ppm/4h
LC50 Inhalation - Rat (Vapours)	32 mg/l Source: RTECS

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : May cause drowsiness or dizziness.
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Naphtha, petroleum, hydrotreated light (64742-49-0)	
LOAEC (inhalation, rat, vapour, 90 days)	4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
NOAEC (inhalation, rat, vapour, 90 days)	2355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

Octane (111-65-9)	
NOAEC (inhalation, rat, vapour, 90 days)	24.3 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

n-Heptane (142-82-5)	
LOAEC (inhalation, rat, vapour, 90 days)	16.6 mg/l air Animal: rat, Animal sex: male
NOAEC (inhalation, rat, vapour, 90 days)	3.3 mg/l air Animal: rat, Animal sex: male

Ethylbenzene (100-41-4)	
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Hexane (110-54-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Xylene (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)

Aspiration hazard : May be fatal if swallowed and enters airways.

11.2. Information on other hazards

The mixture contains Methyl ethyl ketone (CAS#78-93-3), which is 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 %

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Distillates, petroleum, light distillate hydrotreating process, low-boiling (68410-97-9)	
LC50 - Fish [1]	0.854 mg/l Source: Ecological Structure Activity Relationships
EC50 96h - Algae [1]	1.323 mg/l Source: Ecological Structure Activity Relationships

Naphtha, petroleum, hydrotreated light (64742-49-0)	
LC50 - Fish [1]	8.41 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static, closed] Source: ECHA)
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID
EC50 72h - Algae [1]	32 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Solvent naphtha, petroleum, light aliphatic (64742-89-8)	
EC50 72h - Algae [1]	4700 mg/l (Species: Pseudokirchneriella subcapitata)

Octane (111-65-9)	
LC50 - Fish [1]	0.885 mg/l
EC50 - Crustacea [1]	0.38 mg/l (Exposure time: 48 h - Species: water flea)
EC50 72h - Algae [1]	0.9 mg/l Source: ECHA
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

n-Heptane (142-82-5)	
LC50 - Fish [1]	5.738 mg/l Source: QSAR
EC50 - Crustacea [1]	1.5 mg/l
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Toluene (108-88-3)	
LC50 - Fish [1]	15.22 – 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
EC50 - Crustacea [1]	5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	12.5 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	> 433 mg/l (Species: Pseudokirchneriella subcapitata)
LOEC (chronic)	2.76 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic fish	1.39 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'

Benzene (71-43-2)	
LC50 - Fish [1]	5.3 mg/l Source: ECHA
EC50 - Crustacea [1]	10 mg/l Source: OECD ECHA
EC50 72h - Algae [1]	29 mg/l Source: NITE
EC50 72h - Algae [2]	100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC chronic fish	0.8 mg/l Test organisms (species): Pimephales promelas Duration: '32 d'

Ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l Source: ECHA
LC50 - Fish [2]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: EPA)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	4.6 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 72h - Algae [2]	2.6 – 11.3 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	2.6 mg/l Source: ECHA
EC50 96h - Algae [2]	1.7 – 7.6 mg/l (Species: Pseudokirchneriella subcapitata [static])
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'

Naphthalene (91-20-3)	
LC50 - Fish [1]	5.74 – 6.44 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)
EC50 - Crustacea [1]	2.16 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	1.96 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
NOEC (chronic)	0.59 mg/l Test organisms (species): Daphnia pulex Duration: '125 d'

Cyclohexane (110-82-7)	
LC50 - Fish [1]	4.53 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	23.03 – 42.07 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
EC50 - Crustacea [1]	0.9 mg/l Test organisms (species): Daphnia magna

Cyclohexane (110-82-7)	
EC50 72h - Algae [1]	3.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	9.317 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	9.317 mg/l Source: ECHA

Hexane (110-54-3)	
LC50 - Fish [1]	2.1 – 2.98 mg/l 96 Hr LC50 Pimephales promelas [flow-through]

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LC50 - Fish [1]	0.97 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 96h - Algae [1]	0.017 mg/l Source: Ecological Structure Activity Relationships

Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester (82919-37-7)	
LC50 - Fish [1]	0.996 mg/l
EC50 96h - Algae [1]	0.615 mg/l Source: ECOSAR

Xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l Source: ECHA
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'

Cumene (98-82-8)	
LC50 - Fish [1]	4.7 mg/l Source: ECHA
LC50 - Fish [2]	4.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.14 mg/l Source: ECHA
EC50 - Crustacea [2]	7.9 – 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h - Algae [1]	2.01 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	1.29 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	2.01 mg/l Source: ECHA
NOEC (chronic)	0.35 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.38 mg/l Test organisms (species): other: Duration: '28 d'

Methyl ethyl ketone (78-93-3)	
LC50 - Fish [1]	3130 – 3320 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	> 520 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	5091 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Silica, amorphous (7631-86-9)	
LC50 - Fish [1]	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
EC50 - Crustacea [1]	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
EC50 72h - Algae [1]	440 mg/l (Species: Pseudokirchneriella subcapitata)
LOEC (chronic)	149.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Formaldehyde (50-00-0)	
LC50 - Fish [1]	22.6 – 25.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	1510 µg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	11.3 – 18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
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'

12.2. Persistence and degradability

Persistence and degradability: Not established.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available
No information available

12.4. Mobility in soil

Mobility in soil: No data available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

The mixture contains Methyl ethyl ketone (CAS#78-93-3), which is 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 %

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	:	UN 1139
UN-No. (IMDG)	:	UN 1139
UN-No. (IATA)	:	UN 1139
UN-No. (ADN)	:	UN 1139
UN-No. (RID)	:	UN 1139

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	COATING SOLUTION
Proper Shipping Name (IMDG)	:	COATING SOLUTION
Proper Shipping Name (IATA)	:	Coating solution
Proper Shipping Name (ADN)	:	COATING SOLUTION
Proper Shipping Name (RID)	:	COATING SOLUTION
Transport document description (ADR)	:	UN 1139 COATING SOLUTION, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	:	UN 1139 COATING SOLUTION, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	:	UN 1139 Coating solution, 3, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	:	UN 1139 COATING SOLUTION, 3, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	:	UN 1139 COATING SOLUTION, 3, II, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3

:

IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3

:

IATA

Transport hazard class(es) (IATA) : 3

Danger labels (IATA) : 3

:

ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3

:

RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3

:

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1

Special provisions (ADR) : 640C

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions (ADR) : TP1, TP8

Tank code (ADR) : L1.5BN

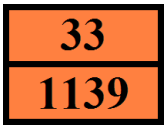
Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC code : •3YE

Transport by sea (IMDG)

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1, TP8

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-E

Stowage category (IMDG) : B

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport (IATA)

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y341

PCA limited quantity max net quantity (IATA) : 1L

PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
Special provisions (IATA)	:	A3
ERG code (IATA)	:	3L

Inland waterway transport

Classification code (ADN)	:	F1
Special provisions (ADN)	:	640C
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E2
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	1

Rail transport

Classification code (RID)	:	F1
Special provisions (RID)	:	640C
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP1, TP8
Tank codes for RID tanks (RID)	:	L1.5BN
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE7
Hazard identification number (RID)	:	33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
Contains no substance(s) listed on the REACH Candidate List
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Naphtha (petroleum), hydrotreated light (64742-49-0)
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt.
All chemical substances in this product are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or are exempt.
All chemical substances in this product are listed as “Active” in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active-Inactive) Requirements Rule” (“the Final Rule”) of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA

Germany

Water hazard class (WGK)	:	WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Override matching entry (12. BImSchV)	:	Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	Distillates, petroleum, light distillate hydrotreating process, low-boiling,Naphtha, petroleum, hydrotreated light,Solvent naphtha, petroleum, light aliphatic,Benzene,Cumene,Formaldehyde are listed
SZW-lijst van mutagene stoffen	:	Distillates, petroleum, light distillate hydrotreating process, low-boiling,Naphtha, petroleum, hydrotreated light,Solvent naphtha, petroleum, light aliphatic,Benzene are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	:	Hexane is listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	Toluene,Xylene are listed

Denmark

Class for fire hazard	:	Class I-1
Store unit	:	1 liter
Classification remarks	:	F <Flam. Liq. 2>; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	:	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

Switzerland

Storage class (LK)	:	LK 3 - Flammable liquids

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

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
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
ED	Endocrine disrupting properties
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STOT	Specific target organ toxicity
TRGS	Technical Rules for Hazardous Substances
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources : Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
Classification for the USA in accordance with 29 CFR 1910.1200 (2012).
Classification for the EU in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
ECHA (European Chemicals Agency).

Training advice : Normal use of this product shall imply use in accordance with the instructions for use and corresponding product packaging.

Indication of changes:

Version 1.0: New SDS Created.

Other information : Author: WJS

SDS prepared for Plasti Dip International, Inc. by:
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Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Flammable liquids, Category 2	Test Data
Skin corrosion/irritation, Category 2	Specific concentration limit
Serious eye damage/eye irritation, Category 2	Specific concentration limit
Carcinoginicity, Category 2	Specific concentration limit
Reproductive toxicity, Category 2	Specific concentration limit
Specific target organ toxicity – Single exposure, Category 3, Narcosis	Specific concentration limit
Aspiration toxicity, Category 1	Specific concentration limit
Aquatic toxicity, Chronic, Category 2	Calculation Method

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.