

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

### 1.1. Product identifier

<b>Trade name or designation of the mixture</b>	Dykem® High Temp 44 - Black
<b>Registration number</b>	-
<b>Synonyms</b>	FORMULA CODE: * ER250 (Black)
<b>Part Number</b>	44250
<b>Issue date</b>	14-April-2020
<b>Version number</b>	02
<b>Revision date</b>	15-April-2020
<b>Supersedes date</b>	14-April-2020

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

<b>Identified uses</b>	Solvent based marker
<b>Uses advised against</b>	None known.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

<b>Company name</b>	AlSCO Ltd
<b>Address</b>	Unite 13 Hillmead Industrial Estate Marshall Road Swindon, Wiltshire United Kingdom SN5 5FZ
<b>Telephone</b>	+ 44 1793 733900 (09.00-17.00)
<b>In Case of Emergency</b>	National Poisons Information Service +44 344 892 0111
<b>E-mail</b>	info@alscoltd.co.uk

#### Manufacturer

<b>Company name</b>	ITW Pro Brands
<b>Address</b>	805 E. Old 56 Highway Olathe, KS 66061
<b>Country</b>	(U.S.A.)
<b>Telephone</b>	+1 800-443-9536
<b>In Case of Emergency</b>	1-800-535-5053

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Physical hazards

Flammable liquids	Category 3	H226 - Flammable liquid and vapour.
-------------------	------------	-------------------------------------

##### Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Germ cell mutagenicity	Category 1B	H340 - May cause genetic defects.
Carcinogenicity	Category 1B	H350 - May cause cancer.
Specific target organ toxicity - repeated exposure	Category 2 (auditory organ)	H373 - May cause damage to organs (auditory organ) through prolonged or repeated exposure.

##### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
--	------------	---

## Hazard summary

May be ignited by heat, sparks or flames. May cause damage to organs through prolonged or repeated exposure. May cause cancer. Causes serious eye irritation. Causes skin irritation. May cause genetic defects. Prolonged exposure may cause chronic effects. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

## 2.2. Label elements

### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** 1,2,4-Trimethyl benzene, Aromatic Solvent, Ethylbenzene, Naphtha, Petroleum, Hydrotreated Heavy, Toluene, Xylene

### Hazard pictograms



### Signal word

Danger

### Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H373	May cause damage to organs (auditory organ) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary statements

### Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe mist/vapours.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

### Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.

### Storage

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

### Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
------	---

**Supplemental label information** None.

**2.3. Other hazards** Not a PBT or vPvB substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Aromatic Solvent	20 - 30	64742-95-6 265-199-0	-	649-356-00-4	
<b>Classification:</b>	Asp. Tox. 1;H304, Muta. 1B;H340, Carc. 1B;H350				P

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
1,2,4-Trimethyl benzene	10 - 20	95-63-6 202-436-9	-	601-043-00-3	#
<b>Classification:</b>	Flam. Liq. 3;H226, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Acute Tox. 4;H332, STOT SE 3;H335, Aquatic Chronic 2;H411				
Xylene	10 - 20	1330-20-7 215-535-7	-	601-022-00-9	#
<b>Classification:</b>	Flam. Liq. 3;H226, Acute Tox. 4;H312, Skin Irrit. 2;H315, Acute Tox. 4;H332				C
Ethylbenzene	1 - 5	100-41-4 202-849-4	-	601-023-00-4	#
<b>Classification:</b>	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Acute Tox. 4;H332, STOT RE 2;H373				
Naphtha, Petroleum, Hydrotreated Heavy	1 - 5	64742-48-9 265-150-3	-	649-327-00-6	
<b>Classification:</b>	Asp. Tox. 1;H304, Muta. 1B;H340, Carc. 1B;H350				P
Toluene	0,1 - 1	108-88-3 203-625-9	-	601-021-00-3	#
<b>Classification:</b>	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Acute Tox. 4;H332, STOT SE 3;H336, STOT RE 2;H373, Aquatic Chronic 2;H411				

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

### General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 4.1. Description of first aid measures

#### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

#### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

#### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

#### Ingestion

Rinse mouth. Get medical attention if symptoms occur.

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

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

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

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### General fire hazards

Flammable liquid and vapour.

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers.

**6.4. Reference to other sections** For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**7.2. Conditions for safe storage, including any incompatibilities** Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	MAK	100 mg/m <sup>3</sup>
		20 ppm
	STEL	150 mg/m <sup>3</sup>
Ethylbenzene (CAS 100-41-4)	Ceiling	30 ppm
		880 mg/m <sup>3</sup>
	MAK	200 ppm
Toluene (CAS 108-88-3)		440 mg/m <sup>3</sup>
		100 ppm
	MAK	190 mg/m <sup>3</sup>
		50 ppm

**Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

Components	Type	Value
Xylene (CAS 1330-20-7)	STEL	380 mg/m3
		100 ppm
	MAK	221 mg/m3
		50 ppm
	STEL	442 mg/m3
		100 ppm

**Belgium. Exposure Limit Values**

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	551 mg/m3
		125 ppm
	TWA	87 mg/m3
Toluene (CAS 108-88-3)		20 ppm
	STEL	384 mg/m3
		100 ppm
	TWA	77 mg/m3
Xylene (CAS 1330-20-7)		20 ppm
	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
	TWA	435 mg/m3
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
Xylene (CAS 1330-20-7)		50 ppm
	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	MAC	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	MAC	442 mg/m3
		100 ppm
	STEL	884 mg/m3
Toluene (CAS 108-88-3)		200 ppm
	MAC	192 mg/m3
		50 ppm
	STEL	384 mg/m3

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components**

Components	Type	Value
Xylene (CAS 1330-20-7)	MAC	100 ppm
		221 mg/m3
	STEL	50 ppm
		442 mg/m3
		100 ppm

**Czech Republic. OELs. Government Decree 361 Components**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	Ceiling	250 mg/m3
	TWA	100 mg/m3
Ethylbenzene (CAS 100-41-4)	Ceiling	500 mg/m3
	TWA	200 mg/m3
Toluene (CAS 108-88-3)	Ceiling	500 mg/m3
	TWA	200 mg/m3
Xylene (CAS 1330-20-7)	Ceiling	400 mg/m3
	TWA	200 mg/m3

**Denmark. Exposure Limit Values Components**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TLV	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	TLV	217 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	TLV	94 mg/m3
		25 ppm
Xylene (CAS 1330-20-7)	TLV	109 mg/m3
		25 ppm

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
		442 mg/m3
Toluene (CAS 108-88-3)	STEL	100 ppm
		384 mg/m3
		192 mg/m3
Xylene (CAS 1330-20-7)	STEL	50 ppm
		450 mg/m3
		100 ppm
	TWA	200 mg/m3
		50 ppm

**Finland. Workplace Exposure Limits Components**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3

**Finland. Workplace Exposure Limits**

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	20 ppm 880 mg/m3
	TWA	200 ppm 220 mg/m3
Toluene (CAS 108-88-3)	STEL	50 ppm 380 mg/m3
	TWA	100 ppm 81 mg/m3
Xylene (CAS 1330-20-7)	STEL	25 ppm 440 mg/m3
	TWA	100 ppm 220 mg/m3
		50 ppm

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	VLE	250 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		50 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)	VME	100 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		20 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)		
Ethylbenzene (CAS 100-41-4)	VLE	442 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		100 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)	VME	88,4 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		20 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)		
Toluene (CAS 108-88-3)	VLE	384 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		100 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)	VME	76,8 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		20 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)		
Xylene (CAS 1330-20-7)	VLE	442 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		100 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)	VME	221 mg/m3
<b>Regulatory status:</b> Regulatory binding (VRC)		50 ppm
<b>Regulatory status:</b> Regulatory binding (VRC)		

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3 20 ppm
Ethylbenzene (CAS 100-41-4)	TWA	88 mg/m3 20 ppm
Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	TWA	300 mg/m3 50 ppm
Toluene (CAS 108-88-3)	TWA	190 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	TWA	440 mg/m3 100 ppm

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	AGW	100 mg/m3 20 ppm
Ethylbenzene (CAS 100-41-4)	AGW	88 mg/m3 20 ppm
Toluene (CAS 108-88-3)	AGW	190 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	AGW	440 mg/m3 100 ppm

**Greece. OELs (Decree No. 90/1999, as amended)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	125 mg/m3 25 ppm
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3 125 ppm
	TWA	435 mg/m3 100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3 100 ppm
	TWA	192 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	STEL	650 mg/m3 150 ppm
	TWA	435 mg/m3 100 ppm

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
	TWA	442 mg/m3
Toluene (CAS 108-88-3)	STEL	380 mg/m3



**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value
Xylene (CAS 1330-20-7)	TWA	190 mg/m3
	STEL	442 mg/m3
	TWA	221 mg/m3

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	200 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	STEL	188 mg/m3
		50 ppm
	TWA	94 mg/m3
		25 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	109 mg/m3
		25 ppm

**Ireland. Occupational Exposure Limits**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Italy. Occupational Exposure Limits**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m3
		50 ppm

**Italy. Occupational Exposure Limits**

Components	Type	Value
Xylene (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm
	TWA	221 mg/m3 50 ppm

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3 20 ppm
	STEL	884 mg/m3 200 ppm
Ethylbenzene (CAS 100-41-4)	TWA	442 mg/m3 100 ppm
	STEL	150 mg/m3 40 ppm
Toluene (CAS 108-88-3)	TWA	50 mg/m3 14 ppm
	STEL	442 mg/m3 100 ppm
Xylene (CAS 1330-20-7)	TWA	221 mg/m3 50 ppm

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3 200 ppm
	TWA	442 mg/m3 100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3 100 ppm
	TWA	192 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm
	TWA	221 mg/m3 50 ppm

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3 20 ppm
	STEL	884 mg/m3 200 ppm
Ethylbenzene (CAS 100-41-4)	TWA	442 mg/m3 100 ppm
	STEL	384 mg/m3 100 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m3 50 ppm

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

Components	Type	Value
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Netherlands. OELs (binding)**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	STEL	200 mg/m3
		100 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	430 mg/m3
		215 mg/m3
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		150 mg/m3
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		210 mg/m3

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TLV	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	TLV	20 mg/m3
		5 ppm
Toluene (CAS 108-88-3)	TLV	94 mg/m3
		25 ppm
Xylene (CAS 1330-20-7)	TLV	108 mg/m3
		25 ppm

**Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	STEL	170 mg/m3

**Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

<b>Components</b>	<b>Type</b>	<b>Value</b>
	TWA	100 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	400 mg/m3
	TWA	200 mg/m3
Toluene (CAS 108-88-3)	STEL	200 mg/m3
	TWA	100 mg/m3
Xylene (CAS 1330-20-7)	STEL	200 mg/m3
	TWA	100 mg/m3

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m3
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m <sup>3</sup>
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m <sup>3</sup>
		200 ppm
	TWA	442 mg/m <sup>3</sup>
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m <sup>3</sup>
		100 ppm
	TWA	192 mg/m <sup>3</sup>
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m <sup>3</sup>
		100 ppm
	TWA	221 mg/m <sup>3</sup>
		50 ppm

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m <sup>3</sup>
		20 ppm
Ethylbenzene (CAS 100-41-4)	TWA	442 mg/m <sup>3</sup>
		100 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m <sup>3</sup>
		50 ppm
Xylene (CAS 1330-20-7)	TWA	221 mg/m <sup>3</sup>
		50 ppm

**Spain. Occupational Exposure Limits**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m <sup>3</sup>
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m <sup>3</sup>
		200 ppm
	TWA	441 mg/m <sup>3</sup>
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m <sup>3</sup>
		100 ppm
	TWA	192 mg/m <sup>3</sup>
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m <sup>3</sup>
		100 ppm
	TWA	221 mg/m <sup>3</sup>
		50 ppm

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2,4-Trimethyl benzene (CAS 95-63-6)	Ceiling	170 mg/m <sup>3</sup>
		35 ppm

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
	TWA	100 mg/m3 20 ppm
Ethylbenzene (CAS 100-41-4)	Ceiling	884 mg/m3 200 ppm
	TWA	220 mg/m3 50 ppm
Toluene (CAS 108-88-3)	Ceiling	384 mg/m3 100 ppm
	TWA	192 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	Ceiling	442 mg/m3 100 ppm
	TWA	221 mg/m3 50 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Ethylbenzene (CAS 100-41-4)	STEL	220 mg/m3 50 ppm
	TWA	220 mg/m3 50 ppm
Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	STEL	600 mg/m3 100 ppm
	TWA	300 mg/m3 50 ppm
Toluene (CAS 108-88-3)	STEL	760 mg/m3 200 ppm
	TWA	190 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	STEL	870 mg/m3 200 ppm
	TWA	435 mg/m3 100 ppm

**UK. EH40 Workplace Exposure Limits (WELs)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Ethylbenzene (CAS 100-41-4)	STEL	552 mg/m3 125 ppm
	TWA	441 mg/m3 100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3 100 ppm
	TWA	191 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	STEL	441 mg/m3 100 ppm
	TWA	220 mg/m3 50 ppm

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU**

Components	Type	Value
1,2,4-Trimethyl benzene (CAS 95-63-6)	TWA	100 mg/m <sup>3</sup>
		20 ppm
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m <sup>3</sup>
		200 ppm
	TWA	442 mg/m <sup>3</sup>
Toluene (CAS 108-88-3)	STEL	100 ppm
		384 mg/m <sup>3</sup>
	TWA	192 mg/m <sup>3</sup>
Xylene (CAS 1330-20-7)	STEL	50 ppm
		442 mg/m <sup>3</sup>
	TWA	221 mg/m <sup>3</sup>
		50 ppm

**Biological limit values**

**Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	1,5 g/g	Mandelic acid	Creatinine in urine	*
	1,5 mg/l	Ethylbenzene	Blood	*
	1,12 mol/mol	Mandelic acid	Creatinine in urine	*
	83,2 nmol/l	Ethylbenzene	End-exhaled air	*
	2 ppm	Ethylbenzene	End-exhaled air	*
Toluene (CAS 108-88-3)	14,13 umol/l	Ethylbenzene	Blood	*
	2,5 g/g	Hippuric acid	Creatinine in urine	*
	1 mg/g	o-cresol (Phenol, 2-methyl-)	Creatinine in urine	*
	1 mg/l	Toluene	Blood	*
	1,05 mmol/mol	o-cresol (Phenol, 2-methyl-)	Creatinine in urine	*
	1,58 mol/mol	Hippuric acid	Creatinine in urine	*
	20 ppm		End-exhaled air	*
	10,85 umol/l	Toluene	Blood	*
Xylene (CAS 1330-20-7)	0,83 umol/l		End-exhaled air	*
	1,5 g/g	Methylhippuric acids	Creatinine in blood	*
	1,5 mg/l	Xylene	Blood	*
	0,88 mol/mol	Methylhippuric acids	Creatinine in blood	*
	14,13 umol/l	Xylene	Blood	*

\* - For sampling details, please see the source document.

**Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	1100 µmol/mmol	Mandelic acid	Creatinine in urine	*
	1500 mg/g	Mandelic acid	Creatinine in urine	*
Toluene (CAS 108-88-3)	1000 µmol/mmol	Hippuric acid	Creatinine in urine	*
	1600 mg/g	Hippuric acid	Creatinine in urine	*
Xylene (CAS 1330-20-7)	820 µmol/mmol	Methylhippuric acids	Creatinine in urine	*
	1400 mg/g	Methylhippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Finland. HTP-arvot, App 2., Biological Limit Values, (BRA/BGV) , Social Affairs and Ministry of Health**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	5,2 mmol/l	Mandelic acid	Urine	*
Toluene (CAS 108-88-3)	500 nmol/l	Toluene concentration	Blood	*
Xylene (CAS 1330-20-7)	5 mmol/l	Methylhippuric acids	Urine	*

\* - For sampling details, please see the source document.

**France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	1500 mg/g	Acide mandélique	Creatinine in urine	*
Toluene (CAS 108-88-3)	2500 mg/g	Acide hippurique	Creatinine in urine	*
	2500 mg/g	Acide hippurique	Creatinine in urine	*
	1 mg/l	Toluène	Venous blood	*
Xylene (CAS 1330-20-7)	1500 mg/g	Acides méthylhippuriques	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Germany. TRGS 903, BAT List (Biological Limit Values)**

Components	Value	Determinant	Specimen	Sampling Time
1,2,4-Trimethyl benzene (CAS 95-63-6)	400 mg/g	Dimethylbenzoesäuren (Summe aller Isomeren nach Hydrolyse)	Creatinine in urine	*
Ethylbenzene (CAS 100-41-4)	250 mg/g	Mandelsäure plus Phenylglyoxylessäure	Creatinine in urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluol	Blood	*
	1,5 mg/l	o-Kresol (nach Hydrolyse)	Urine	*
Xylene (CAS 1330-20-7)	2000 mg/l	Methylhippur-(Tolur-)säure (alle Isomere)	Urine	*

\* - For sampling details, please see the source document.

**Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	1500 mg/g	mandelic acid	Creatinine in urine	*



**Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices**

Components	Value	Determinant	Specimen	Sampling Time
	1110 µmol/mmol	mandelic acid	Creatinine in urine	*
Toluene (CAS 108-88-3)	1 mg/g	o-cresol	Creatinine in urine	*
	1,05 µmol/mmol	o-cresol	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1500 mg/g	methyl hippuric acids	Creatinine in urine	*
	860 µmol/mmol	methyl hippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	8,03 mg/g	2-ethylphenol	Creatinine in urine	*
	12 mg/l	2-ethylphenol	Urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluene	Blood	*
	1600 mg/g	Hippuric acid	Creatinine in urine	*
	1,03 mg/g	o-cresol (Phenol, 2-methyl-)	Creatinine in urine	*
	2401 mg/l	Hippuric acid	Urine	*
	1,5 mg/l	o-cresol (Phenol, 2-methyl-)	Urine	*
Xylene (CAS 1330-20-7)	1334 mg/g	Methylhippuric acids	Creatinine in urine	*
	2000 mg/l	Methylhippuric acids	Urine	*
	1,5 mg/l	Xylene	Blood	*

\* - For sampling details, please see the source document.

**Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	700 mg/g	Suma del ácido mandélico y el ácido fenilgloxílico	Creatinine in urine	*
Toluene (CAS 108-88-3)	0,6 mg/l	o-cresol (Phenol, 2-methyl-)	Urine	*
	0,05 mg/l	Tolueno	Blood	*
Xylene (CAS 1330-20-7)	1 g/g	Ácidos metilhipúricos	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	600 mg/g	Mandelsäure plus Phenylglyoxylsäure	Creatinine in urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluol	Blood	*
	2 g/g	Hippursäure	Creatinine in urine	*
	0,5 mg/l	o-Kresol	Urine	*

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

Components	Value	Determinant	Specimen	Sampling Time
Xylene (CAS 1330-20-7)	2 g/l	Methyl-Hippurs äure	Urine	*

\* - For sampling details, please see the source document.

**UK. EH40 Biological Monitoring Guidance Values (BMGVs)**

Components	Value	Determinant	Specimen	Sampling Time
Xylene (CAS 1330-20-7)	650 mmol/mol	Methyl hippuric acid	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines****EU Exposure Limit Values: Skin designation**

Ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.
Xylene (CAS 1330-20-7)	Can be absorbed through the skin.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.
Xylene (CAS 1330-20-7)	Can be absorbed through the skin.

**8.2. Exposure controls**

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**- Hand protection** Wear appropriate chemical resistant gloves.

**- Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** No personal respiratory protective equipment normally required.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Inform appropriate managerial or supervisory personnel of all environmental releases. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Colour** Black.

**Odour** Mild.

**Odour threshold** Not available.

<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.
<b>9.2. Other information</b>	No relevant additional information available.

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Strong acids. Strong oxidising agents. Halogens.
<b>10.6. Hazardous decomposition products</b>	Carbon oxides.

## SECTION 11: Toxicological information

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
<b>Symptoms</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### 11.1. Information on toxicological effects

**Acute toxicity** Not expected to be acutely toxic.

Components	Species	Test Results
1,2,4-Trimethyl benzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3200 mg/kg
<b>Oral</b>		
LD50	Rat	3300 mg/kg

Components	Species	Test Results
Aromatic Solvent (CAS 64742-95-6)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	4800 mg/kg
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	3500 mg/kg
Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	4800 mg/kg
Toluene (CAS 108-88-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	13 - 29 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	2,6 g/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	3500 - 8600 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory sensitisation</b>	Not a respiratory sensitizer.	
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.	
<b>Germ cell mutagenicity</b>	May cause genetic defects.	
<b>Carcinogenicity</b>	May cause cancer.	
<b>ACGIH Carcinogens</b>		
Ethylbenzene (CAS 100-41-4)	Confirmed animal carcinogen with unknown relevance to humans. A3	
Toluene (CAS 108-88-3)	Not classifiable as a human carcinogen. A4	
Xylene (CAS 1330-20-7)	Not classifiable as a human carcinogen. A4	
<b>Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)</b>		
Aromatic Solvent (CAS 64742-95-6)		
Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)		
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.	
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
<b>Reproductive toxicity</b>	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs (auditory organ) through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Mixture versus substance information</b>	No information available.	
<b>Other information</b>	Not available.	

## SECTION 12: Ecological information

**12.1. Toxicity** Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components	Species	Test Results
1,2,4-Trimethyl benzene (CAS 95-63-6)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 7,19 - 8,28 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 1,37 - 4,4 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 7,5 - 11 mg/l, 96 hours
Toluene (CAS 108-88-3)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 5,46 - 9,83 mg/l, 48 hours
Fish	LC50	Coho salmon, silver salmon ( <i>Oncorhynchus kisutch</i> ) 8,11 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> ) 7,711 - 9,591 mg/l, 96 hours

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water (log Kow)

Ethylbenzene	3,15
Toluene	2,73
Xylene	3,12 - 3,2

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not established.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** None known.

### 12.7. Additional information

#### Estonia Dangerous substances in groundwater Data

Ethylbenzene (CAS 100-41-4)	ETHYLBENZENE 0,5 ug/l ETHYLBENZENE 50 ug/l
Toluene (CAS 108-88-3)	TOLUENE 0,5 ug/l TOLUENE 50 ug/l

#### Estonia Dangerous substances in soil Data

Ethylbenzene (CAS 100-41-4)	ETHYLBENZENE 0,1 mg/kg ETHYLBENZENE 5 mg/kg ETHYLBENZENE 50 mg/kg
Toluene (CAS 108-88-3)	TOLUENE 0,1 mg/kg TOLUENE 100 mg/kg TOLUENE 3 mg/kg

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions**

Dispose in accordance with all applicable regulations.

**SECTION 14: Transport information****ADR**

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
<b>14.3. Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	30
Tunnel restriction code	D/E
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**RID**

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL ((vapour pressure at 50 °C more than 175 kPa)
<b>14.3. Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
Label(s)	3
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**ADN**

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
<b>14.3. Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
Label(s)	3
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**IATA**

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	Paint related material (including paint thinning or reducing compounds)
<b>14.3. Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No
<b>ERG Code</b>	3L
<b>14.6. Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**Other information**

<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
<b>14.3. Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
<b>14.4. Packing group</b>	III

#### 14.5. Environmental hazards

Marine pollutant No

EmS F-E, S-E

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

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

#### EU regulations

**EU Regulation 648/2004, Annex VII, Content Labeling for Detergents**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Toluene (CAS 108-88-3)

Aromatic Solvent (CAS 64742-95-6)

Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Aromatic Solvent (CAS 64742-95-6)

Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

1,2,4-Trimethyl benzene (CAS 95-63-6)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

**Other regulations** The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

**National regulations** According to Directive 92/85/EEC as amended, pregnant women should not work with the product, if there is the least risk of exposure.

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation on the protection of workers from the risks of exposure to carcinogens and mutagens at work, in accordance with Directive 2004/37/EC, as amended.

**15.2. Chemical safety assessment** No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

**List of abbreviations** Not available.

**References** Not available.

**Information on evaluation method leading to the classification of mixture** The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any H-statements not written out in full under Sections 2 to 15**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

**Revision information** None.

**Training information** Follow training instructions when handling this material.

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.