

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

1.1. Product identifier

Trade name or designation of the mixture COLOR BLENDER
Registration number -
Synonyms None.
Product code MPB-500-G
Issue date 06-May-2015
Version number 01

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

Identified uses Automotive Refinish Toner
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Quest Automotive Products
Address 600 Nova Drive SE
Massillon, OH 44646
United States
Division Massillon
Telephone General Assistance (330) 830-6000
e-mail rpandrus@quest-ap.com
Contact person Not available.

1.4. Emergency telephone number CHEMTREC (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Physical hazards

Flammable liquids Category 2

Health hazards

Acute toxicity, dermal Category 4
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Carcinogenicity Category 2
Specific target organ toxicity - single exposure Category 3 narcotic effects

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard Category 3

Hazard summary Not available.

2.2. Label elements

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

Contains: acetone, Ethyl benzene, n-Butyl acetate, N-Butyl Alcohol, Toluene, Xylene
Hazard pictograms None.
Signal word None.
Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Not available.
Response Not available.

Storage	Not available.
Disposal	Not available.
Supplemental label information	None.
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
n-Butyl acetate	30 - < 40	123-86-4 204-658-1	-	607-025-00-1	
Classification:	Flam. Liq. 3;H226, STOT SE 3;H336, Aquatic Chronic 3;H412				
acetone	10 - < 20	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	-				
Xylene	10 - < 20	1330-20-7 215-535-7	-	601-022-00-9	#
Classification:	Flam. Liq. 3;H226, Acute Tox. 4;H312, Skin Irrit. 2;H315, Acute Tox. 4;H332, Aquatic Chronic 2;H411				
N-Butyl Alcohol	5 - < 10	71-36-3 200-751-6	-	603-004-00-6	
Classification:	Flam. Liq. 3;H226, Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335, STOT SE 3;H336, Aquatic Chronic 3;H412				
Ethyl benzene	1 - < 3	100-41-4 202-849-4	-	601-023-00-4	#
Classification:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Acute Tox. 4;H332, Carc. 2;H351, STOT RE 2;H373, Aquatic Chronic 2;H411				
Toluene	1 - < 3	108-88-3 203-625-9	-	601-021-00-3	#
Classification:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Repr. 2;H361d, STOT RE 2;H373, Aquatic Chronic 2;H411				

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures

Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Not available.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing media	Not available.
Unsuitable extinguishing media	Not available.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters Not available.

Special fire fighting procedures Not available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Not available.

For emergency responders Not available.

6.2. Environmental precautions Not available.

6.3. Methods and material for containment and cleaning up Not available.

6.4. Reference to other sections Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Not available.

7.2. Conditions for safe storage, including any incompatibilities Not available.

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
acetone (CAS 67-64-1)	MAK	1200 mg/m ³ 500 ppm
	STEL	4800 mg/m ³ 2000 ppm
Ethyl benzene (CAS 100-41-4)	Ceiling	880 mg/m ³ 200 ppm
	MAK	440 mg/m ³ 100 ppm
n-Butyl acetate (CAS 123-86-4)	Ceiling	480 mg/m ³ 100 ppm
	MAK	480 mg/m ³ 100 ppm
N-Butyl Alcohol (CAS 71-36-3)	MAK	150 mg/m ³ 50 ppm
	STEL	600 mg/m ³ 200 ppm
Toluene (CAS 108-88-3)	MAK	190 mg/m ³ 50 ppm
	STEL	380 mg/m ³ 100 ppm
Xylene (CAS 1330-20-7)	MAK	221 mg/m ³ 50 ppm
	STEL	442 mg/m ³ 100 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
acetone (CAS 67-64-1)	STEL	2420 mg/m ³ 1000 ppm
	TWA	1210 mg/m ³

Belgium. Exposure Limit Values.

Components	Type	Value
Ethyl benzene (CAS 100-41-4)	STEL	500 ppm 551 mg/m3
	TWA	125 ppm 442 mg/m3
n-Butyl acetate (CAS 123-86-4)	STEL	100 ppm 964 mg/m3
	TWA	200 ppm 723 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	TWA	150 ppm 62 mg/m3
Toluene (CAS 108-88-3)	STEL	20 ppm 384 mg/m3
	TWA	100 ppm 77 mg/m3
Xylene (CAS 1330-20-7)	STEL	20 ppm 442 mg/m3
	TWA	100 ppm 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
acetone (CAS 67-64-1)	STEL	1400 mg/m3
	TWA	600 mg/m3
Ethyl benzene (CAS 100-41-4)	STEL	545 mg/m3
	TWA	435 mg/m3
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	710 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	STEL	150 mg/m3
	TWA	100 mg/m3
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

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

Components	Type	Value
acetone (CAS 67-64-1)	MAC	1210 mg/m3
	STEL	500 ppm 3620 mg/m3 1500 ppm
	MAC	442 mg/m3
Ethyl benzene (CAS 100-41-4)	STEL	100 ppm 884 mg/m3 200 ppm
	MAC	724 mg/m3
n-Butyl acetate (CAS 123-86-4)	STEL	150 ppm 966 mg/m3
	STEL	200 ppm 154 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	STEL	50 ppm

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

Components	Type	Value
Toluene (CAS 108-88-3)	MAC	192 mg/m3 50 ppm
	STEL	384 mg/m3 100 ppm
Xylene (CAS 1330-20-7)	MAC	221 mg/m3 50 ppm
	STEL	442 mg/m3 100 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
n-Butyl acetate (CAS 123-86-4)	TWA	710 mg/m3 150 ppm
N-Butyl Alcohol (CAS 71-36-3)	TWA	150 mg/m3 50 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
acetone (CAS 67-64-1)	Ceiling	1500 mg/m3
	TWA	800 mg/m3
Ethyl benzene (CAS 100-41-4)	Ceiling	500 mg/m3
	TWA	200 mg/m3
n-Butyl acetate (CAS 123-86-4)	Ceiling	1200 mg/m3
	TWA	950 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	Ceiling	600 mg/m3
	TWA	300 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	Type	Value
acetone (CAS 67-64-1)	TLV	600 mg/m3 250 ppm
	TLV	217 mg/m3 50 ppm
n-Butyl acetate (CAS 123-86-4)	TLV	710 mg/m3 150 ppm
	Ceiling	150 mg/m3 50 ppm
Toluene (CAS 108-88-3)	TLV	94 mg/m3 25 ppm
	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
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
	STEL	884 mg/m3
Ethyl benzene (CAS 100-41-4)	TWA	200 ppm 442 mg/m3 100 ppm

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

Components	Type	Value
n-Butyl acetate (CAS 123-86-4)	STEL	700 mg/m ³
	TWA	150 ppm 500 mg/m ³ 100 ppm
N-Butyl Alcohol (CAS 71-36-3)	TWA	45 mg/m ³ 15 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m ³ 100 ppm
	TWA	192 mg/m ³ 50 ppm
Xylene (CAS 1330-20-7)	STEL	450 mg/m ³ 100 ppm
	TWA	200 mg/m ³ 50 ppm

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

Components	Type	Value
N-Butyl Alcohol (CAS 71-36-3)	Ceiling	90 mg/m ³
		30 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
acetone (CAS 67-64-1)	STEL	1500 mg/m ³ 630 ppm
	TWA	1200 mg/m ³ 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	880 mg/m ³ 200 ppm
	TWA	220 mg/m ³ 50 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	960 mg/m ³ 200 ppm
	TWA	720 mg/m ³ 150 ppm
N-Butyl Alcohol (CAS 71-36-3)	STEL	230 mg/m ³ 75 ppm
	TWA	150 mg/m ³ 50 ppm
Toluene (CAS 108-88-3)	STEL	380 mg/m ³ 100 ppm
	TWA	81 mg/m ³ 25 ppm
Xylene (CAS 1330-20-7)	STEL	440 mg/m ³ 100 ppm
	TWA	220 mg/m ³ 50 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	VLE	2420 mg/m ³ 1000 ppm
	VME	1210 mg/m ³ 500 ppm
Ethyl benzene (CAS 100-41-4)	VLE	442 mg/m ³ 100 ppm
	VME	88,4 mg/m ³

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

Components	Type	Value
n-Butyl acetate (CAS 123-86-4)	VLE	20 ppm 940 mg/m3
	VME	200 ppm 710 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	VLE	150 ppm 150 mg/m3
	VLE	50 ppm 384 mg/m3
Toluene (CAS 108-88-3)	VLE	100 ppm 76,8 mg/m3
	VME	20 ppm 442 mg/m3
Xylene (CAS 1330-20-7)	VLE	100 ppm 221 mg/m3
	VME	50 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1200 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	TWA	88 mg/m3
n-Butyl acetate (CAS 123-86-4)	TWA	20 ppm 480 mg/m3
	TWA	100 ppm 310 mg/m3
Toluene (CAS 108-88-3)	TWA	100 ppm 190 mg/m3
	TWA	50 ppm 440 mg/m3
Xylene (CAS 1330-20-7)	TWA	100 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	AGW	1200 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	AGW	88 mg/m3
n-Butyl acetate (CAS 123-86-4)	AGW	20 ppm 300 mg/m3
	AGW	62 ppm 310 mg/m3
Toluene (CAS 108-88-3)	AGW	100 ppm 190 mg/m3
	AGW	50 ppm 440 mg/m3
Xylene (CAS 1330-20-7)	AGW	100 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	STEL	3560 mg/m3
	TWA	1780 mg/m3
Ethyl benzene (CAS 100-41-4)	STEL	545 mg/m3
	TWA	125 ppm 435 mg/m3 100 ppm

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

Components	Type	Value
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	200 ppm 710 mg/m3 150 ppm
N-Butyl Alcohol (CAS 71-36-3)	STEL	300 mg/m3
	TWA	100 ppm 300 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

Components	Type	Value
acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1210 mg/m3
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
	TWA	442 mg/m3
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	950 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	STEL	90 mg/m3
	TWA	45 mg/m3
Toluene (CAS 108-88-3)	STEL	380 mg/m3
	TWA	190 mg/m3
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
	TWA	221 mg/m3

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

Components	Type	Value
acetone (CAS 67-64-1)	TWA	600 mg/m3 250 ppm
	STEL	884 mg/m3
Ethyl benzene (CAS 100-41-4)	TWA	200 ppm 200 mg/m3 50 ppm
	TWA	700 mg/m3
n-Butyl acetate (CAS 123-86-4)	TWA	150 ppm
	STEL	150 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	TWA	50 ppm 80 mg/m3 25 ppm
	STEL	188 mg/m3 50 ppm
Toluene (CAS 108-88-3)	STEL	94 mg/m3 25 ppm
	TWA	442 mg/m3 100 ppm 109 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
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
	TWA	200 ppm 442 mg/m3 100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	200 ppm 710 mg/m3 150 ppm
N-Butyl Alcohol (CAS 71-36-3)	TWA	20 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
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
	TWA	200 ppm 442 mg/m3 100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
N-Butyl Alcohol (CAS 71-36-3)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m3 50 ppm
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
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
	TWA	200 ppm 442 mg/m3 100 ppm
n-Butyl acetate (CAS 123-86-4)	TWA	200 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	TWA	10 mg/m3
Toluene (CAS 108-88-3)	STEL	150 mg/m3 40 ppm
	TWA	50 mg/m3 14 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm
	TWA	221 mg/m3

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

Components	Type	Value
		50 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	STEL	2420 mg/m3 1000 ppm
	TWA	1210 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
	TWA	200 ppm 442 mg/m3 100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	700 mg/m3
	TWA	150 ppm 500 mg/m3 100 ppm
N-Butyl Alcohol (CAS 71-36-3)	Ceiling	90 mg/m3
	TWA	30 ppm 45 mg/m3 15 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3 100 ppm
	TWA	192 mg/m3 50 ppm
Xylene (CAS 1330-20-7)	STEL	450 mg/m3 100 ppm
	TWA	200 mg/m3 50 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
	STEL	884 mg/m3
Ethyl benzene (CAS 100-41-4)	TWA	200 ppm 442 mg/m3 100 ppm
	STEL	384 mg/m3 100 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m3 50 ppm
	STEL	442 mg/m3 100 ppm
Xylene (CAS 1330-20-7)	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
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
	STEL	884 mg/m3
Ethyl benzene (CAS 100-41-4)	TWA	200 ppm 442 mg/m3 100 ppm
	STEL	384 mg/m3 100 ppm
Toluene (CAS 108-88-3)	TWA	192 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
Xylene (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm
	TWA	221 mg/m3 50 ppm

Netherlands. OELs (binding)

Components	Type	Value
acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1210 mg/m3
Ethyl benzene (CAS 100-41-4)	STEL	430 mg/m3
	TWA	215 mg/m3
Toluene (CAS 108-88-3)	STEL	384 mg/m3
	TWA	150 mg/m3
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
	TWA	210 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
acetone (CAS 67-64-1)	TLV	295 mg/m3 125 ppm
		Ethyl benzene (CAS 100-41-4)
n-Butyl acetate (CAS 123-86-4)	TLV	355 mg/m3
		N-Butyl Alcohol (CAS 71-36-3)
Toluene (CAS 108-88-3)	TLV	25 ppm 94 mg/m3
		Xylene (CAS 1330-20-7)

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
acetone (CAS 67-64-1)	STEL	1800 mg/m3
	TWA	600 mg/m3
Ethyl benzene (CAS 100-41-4)	STEL	400 mg/m3
	TWA	200 mg/m3
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	200 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	STEL	150 mg/m3
	TWA	50 mg/m3
Toluene (CAS 108-88-3)	STEL	200 mg/m3
	TWA	100 mg/m3
Xylene (CAS 1330-20-7)	TWA	100 mg/m3

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

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
		Ethyl benzene (CAS 100-41-4)
Toluene (CAS 108-88-3)	STEL	442 mg/m3 100 ppm

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

Components	Type	Value
Xylene (CAS 1330-20-7)	TWA	192 mg/m3
		50 ppm
	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

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

Components	Type	Value
acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	125 ppm
	TWA	100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
N-Butyl Alcohol (CAS 71-36-3)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	50 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

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	715 mg/m3
		150 ppm
N-Butyl Alcohol (CAS 71-36-3)	STEL	200 mg/m3
		66 ppm
	TWA	100 mg/m3
		33 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

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	700 mg/m3
		150 ppm
	TWA	500 mg/m3
		100 ppm

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

Components	Type	Value
N-Butyl Alcohol (CAS 71-36-3)	TWA	310 mg/m ³
		100 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m ³
		100 ppm
	TWA	192 mg/m ³
Xylene (CAS 1330-20-7)	STEL	50 ppm
		442 mg/m ³
	TWA	100 ppm
		221 mg/m ³
		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)

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1210 mg/m ³
		500 ppm
Ethyl benzene (CAS 100-41-4)	TWA	442 mg/m ³
		100 ppm
n-Butyl acetate (CAS 123-86-4)	TWA	480 mg/m ³
		100 ppm
N-Butyl Alcohol (CAS 71-36-3)	TWA	310 mg/m ³
		100 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m ³
		50 ppm
	TWA	221 mg/m ³
Xylene (CAS 1330-20-7)	TWA	221 mg/m ³
		50 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
acetone (CAS 67-64-1)	TWA	1210 mg/m ³
		500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	884 mg/m ³
		200 ppm
	TWA	441 mg/m ³
n-Butyl acetate (CAS 123-86-4)	STEL	100 ppm
		965 mg/m ³
	TWA	200 ppm
		724 mg/m ³
N-Butyl Alcohol (CAS 71-36-3)	STEL	150 ppm
		154 mg/m ³
	TWA	50 ppm
Toluene (CAS 108-88-3)	TWA	61 mg/m ³
		20 ppm
	STEL	384 mg/m ³
		100 ppm
Xylene (CAS 1330-20-7)	TWA	192 mg/m ³
		50 ppm
	STEL	442 mg/m ³
TWA	100 ppm	
	221 mg/m ³	
	50 ppm	

Sweden. Occupational Exposure Limit Values

Components	Type	Value
acetone (CAS 67-64-1)	STEL	1200 mg/m ³
		500 ppm
	TWA	600 mg/m ³

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Ethyl benzene (CAS 100-41-4)	STEL	250 ppm 450 mg/m3
	TWA	100 ppm 200 mg/m3
n-Butyl acetate (CAS 123-86-4)	STEL	50 ppm 700 mg/m3
	TWA	150 ppm 500 mg/m3
N-Butyl Alcohol (CAS 71-36-3)	Ceiling	100 ppm 90 mg/m3
	TWA	30 ppm 45 mg/m3
Toluene (CAS 108-88-3)	STEL	15 ppm 384 mg/m3
	TWA	100 ppm 192 mg/m3
Xylene (CAS 1330-20-7)	STEL	50 ppm 442 mg/m3
	TWA	100 ppm 221 mg/m3 50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
acetone (CAS 67-64-1)	STEL	2400 mg/m3 1000 ppm
	TWA	1200 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	220 mg/m3
	TWA	50 ppm 220 mg/m3 50 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	960 mg/m3
	TWA	200 ppm 480 mg/m3 100 ppm
N-Butyl Alcohol (CAS 71-36-3)	STEL	150 mg/m3
	TWA	50 ppm 150 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)

Components	Type	Value
acetone (CAS 67-64-1)	STEL	3620 mg/m3 1500 ppm
	TWA	1210 mg/m3 500 ppm
Ethyl benzene (CAS 100-41-4)	STEL	552 mg/m3
		125 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
	TWA	441 mg/m3
		100 ppm
n-Butyl acetate (CAS 123-86-4)	STEL	966 mg/m3
		200 ppm
	TWA	724 mg/m3
		150 ppm
N-Butyl Alcohol (CAS 71-36-3)	STEL	154 mg/m3
		50 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
acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Ethyl benzene (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

Biological limit values**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
Ethyl benzene (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
Ethyl benzene (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
acetone (CAS 67-64-1)	100 mg/l	Acétone	Urine	*
Ethyl benzene (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
acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
Ethyl benzene (CAS 100-41-4)	300 mg/l	Mandelsäure plus Phenylglyoxylsäure	Urine	*
N-Butyl Alcohol (CAS 71-36-3)	2 mg/g	1-Butanol (nach Hydrolyse)	Creatinine in urine	*
	10 mg/g	1-Butanol (nach Hydrolyse)	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	*
	1,5 mg/l	Xylol	Blood	*

* - 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
Ethyl benzene (CAS 100-41-4)	1500 mg/g	mandelic acid	Creatinine in urine	*
	1110 µmol/mmol	mandelic acid	Creatinine in urine	*
Toluene (CAS 108-88-3)	1 mg/g	o-crezol	Creatinine in urine	*
	1,05 µmol/mmol	o-crezol	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
acetone (CAS 67-64-1)	53,36 mg/g	Acetone	Creatinine in urine	*
	80 mg/l	Acetone	Urine	*
Ethyl benzene (CAS 100-41-4)	8,03 mg/g	2-ethylphenol	Creatinine in urine	*
	12 mg/l	2-ethylphenol	Urine	*
N-Butyl Alcohol (CAS 71-36-3)	2 mg/g	N-Butyl Alcohol	Creatinine in urine	*
	10 mg/g	N-Butyl Alcohol	Creatinine in urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluene	Blood	*

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
	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
acetone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*
Ethyl benzene (CAS 100-41-4)	700 mg/g	Suma del acido mandélico y el ácido fenilgloxílico	Creatinine in urine	*
Toluene (CAS 108-88-3)	1,6 g/g	Ácido hipúrico	Creatinine in urine	*
	0,5 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
acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
Ethyl benzene (CAS 100-41-4)	800 mg/l	Mandelsäure plus Phenylglyoxylsäure	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	*
Xylene (CAS 1330-20-7)	1,5 g/g	Methyl-Hippursäure	Creatinine in urine	*
	1,5 mg/l	Xylol	Blood	*

* - 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 Not available.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

EU Exposure Limit Values: Skin designation

Ethyl benzene (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 Not available.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Not available.

Skin protection

- Hand protection Not available.

- Other Not available.

Respiratory protection Not available.

Thermal hazards Not available.

Hygiene measures Not available.

Environmental exposure controls Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Physical state Liquid.

Form Not available.

Colour Translucent

Odour Solvent.

Odour threshold Not available.

pH Not available.

Melting point/freezing point -94,7 °C (-138,46 °F) estimated

Initial boiling point and boiling range 56,05 °C (132,89 °F) estimated

Flash point -20,0 °C (-4,0 °F) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1,4 % estimated

Flammability limit - upper (%) 12,8 % estimated

Vapour pressure 57,49 hPa estimated

Vapour density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Solubility (other) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature 343,33 °C (650 °F) estimated

Decomposition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidizing properties Not available.

9.2. Other information

Density 7,58 lbs/gal

Percent volatile 82,36 %

Specific gravity 0,91

VOC 5,1104382772509176 lbs/gal Material
5,8513383414136823 lbs/gal Regulatory
612,3838187629774 g/l Material
701,16587345160156 g/l Regulatory

SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Not available.
10.3. Possibility of hazardous reactions	Not available.
10.4. Conditions to avoid	Not available.
10.5. Incompatible materials	Not available.
10.6. Hazardous decomposition products	Not available.

SECTION 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Inhalation Not available.

Skin contact Not available.

Eye contact Not available.

Ingestion Not available.

Symptoms Not available.

11.1. Information on toxicological effects

Components	Species	Test results
acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	20000 mg/kg 20 ml/kg
Inhalation		
LC50	Rat	76 mg/l, 4 Hours 50,1 mg/l, 8 Hours
Oral		
LD50	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg
Ethyl benzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	17800 mg/kg
Oral		
LD50	Rat	3500 mg/kg
n-Butyl acetate (CAS 123-86-4)		
Acute		
Inhalation		
LC50	Wistar rat	160 mg/l, 4 Hours
Oral		
LD50	Rat	14000 mg/kg
N-Butyl Alcohol (CAS 71-36-3)		
Acute		
Dermal		
LD50	Rabbit	3400 mg/kg
Inhalation		
LC50	Rat	8000 ppm, 4 Hours
Oral		
LD50	Rat	790 mg/kg

Components	Species	Test results
Toluene (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	12124 mg/kg 14,1 ml/kg
Inhalation		
LC50	Mouse	5320 ppm, 8 Hours 400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours 12200 ppm, 2 Hours 8000 ppm, 4 Hours
Oral		
LD50	Rat	2,6 g/kg
Xylene (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not available.	
Respiratory sensitisation	Not available.	
Skin sensitisation	Not available.	
Germ cell mutagenicity	Not available.	
Carcinogenicity		
IARC Monographs. Overall Evaluation of Carcinogenicity		
Ethyl benzene (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.	
Reproductive toxicity	Not available.	
Specific target organ toxicity - single exposure	Not available.	
Specific target organ toxicity - repeated exposure	Not available.	
Aspiration hazard	Not available.	
Mixture versus substance information	Not available.	
Other information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity

Components	Species	Test results
acetone (CAS 67-64-1)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
		21,6 - 23,9 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)
		4740 - 6330 mg/l, 96 hours

Components	Species	Test results
Ethyl benzene (CAS 100-41-4)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 1,37 - 4,4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 7,5 - 11 mg/l, 96 hours
n-Butyl acetate (CAS 123-86-4)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 17 - 19 mg/l, 96 hours
N-Butyl Alcohol (CAS 71-36-3)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus) 100 - 500 mg/l, 96 hours
Toluene (CAS 108-88-3)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 5,46 - 9,83 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch) 8,11 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
Aquatic		
Fish	LC50	Bluegill (Lepomis macrochirus) 7,711 - 9,591 mg/l, 96 hours
12.2. Persistence and degradability	Not available.	
12.3. Bioaccumulative potential	Not available.	
Partition coefficient n-octanol/water (log Kow)		
acetone	-0,24	
Ethyl benzene	3,15	
n-Butyl acetate	1,78	
N-Butyl Alcohol	0,88	
Toluene	2,73	
Xylene	3,12 - 3,2	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.	
12.6. Other adverse effects	Not available.	
SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Residual waste	Not available.	
Contaminated packaging	Not available.	
EU waste code	Not available.	
SECTION 14: Transport information		
ADR		
14.1. UN number	UN1263	
14.2. UN proper shipping name	Paint, Paint Related Material	
14.3. Transport hazard class(es)		
Class	3	
Subsidiary risk	-	
Label(s)	3	
Hazard No. (ADR)	33	
Tunnel restriction code	D/E	
14.4. Packing group	II	
14.5. Environmental hazards	No.	
14.6. Special precautions for user	Not available.	

RID

14.1. UN number UN1263
14.2. UN proper shipping name Paint, Paint Related Material
14.3. Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3
14.4. Packing group II
14.5. Environmental hazards No.
14.6. Special precautions for user Not available.

ADN

14.1. UN number UN1263
14.2. UN proper shipping name Paint, Paint Related Material
14.3. Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3
14.4. Packing group II
14.5. Environmental hazards No.
14.6. Special precautions for user Not available.

IATA

14.1. UN number UN1263
14.2. UN proper shipping name Paint, Paint Related Material
14.3. Transport hazard class(es)
Class 3
Subsidiary risk -
14.4. Packing group II
14.5. Environmental hazards No.
ERG Code 3H
14.6. Special precautions for user Not available.
Other information
Passenger and cargo aircraft Allowed.
Cargo aircraft only Allowed.

IMDG

14.1. UN number UN1263
14.2. UN proper shipping name Paint, Paint Related Material
14.3. Transport hazard class(es)
Class 3
Subsidiary risk -
14.4. Packing group II
14.5. Environmental hazards
Marine pollutant No.
EmS F-E, S-E
14.6. Special precautions for user Not available.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.



SECTION 15: Regulatory information

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

EU regulations

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

Not listed.

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

Not listed.

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

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 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

Not listed.

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

acetone (CAS 67-64-1)

Ethyl benzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

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

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Toluene (CAS 108-88-3)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances

acetone (CAS 67-64-1)

Ethyl benzene (CAS 100-41-4)

n-Butyl acetate (CAS 123-86-4)

N-Butyl Alcohol (CAS 71-36-3)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

acetone (CAS 67-64-1)

Ethyl benzene (CAS 100-41-4)

n-Butyl acetate (CAS 123-86-4)

N-Butyl Alcohol (CAS 71-36-3)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

Directive 94/33/EC on the protection of young people at work, as amended

Ethyl benzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

National regulations Not available.

15.2. Chemical safety assessment Not available.

SECTION 16: Other information

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not 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.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Revision information None.

Training information Not available.

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