L.N. 356 of 2021

OCCUPATIONAL HEALTH AND SAFETY AUTHORITY ACT (CAP. 424)

Protection of the Health and Safety of Workers from the risks related to Chemical Agents at Work (Amendment) Regulations, 2021

IN EXERCISE of the powers conferred by article 12 of the Occupational Health and Safety Authority Act, the Deputy Prime Minister and Minister for Health, after consultation with the Occupational Health and Safety Authority, has made the following regulations:-

Citation.

1. The title of these regulations is the Protection of the Health and Safety of Workers from the risks related to Chemical Agents at Work (Amendment) Regulations, 2021, and these regulations shall be read and construed as one with the Protection of the Health and Safety of Workers from the risks related to Chemical Agents at Work Regulations, hereinafter referred to as "the principal regulations".

S.L. 424.24.

Amends regulation 1 of the principal regulations.

2. Sub-regulation (2) of regulation 1 of the principal regulations shall be substituted by the following:

"(2) The scope of these regulations is to:

(a) lay down minimum requirements for the protection of workers from risks to their health and safety arising, or likely to arise, from the effects of chemical agents that are present at the workplace or as a result of any work activity involving chemical agents;

(b) implement Directive 2014/27/EU of the European Parliament and of the Council of 26 February 2014 amending Council Directives 92/58/EEC, 92/85/EEC, 94/33/EC, 98/24/EC and Directive 2004/37/EC of the European Parliament and of the Council, in order to align them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures;

(c) implement Commission Directive (EU) 2017/ 164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/222/EC, 2000/39/EC and 2009/161/EU;

(d) implement Commission Directive (EU) 2019/ 1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directive 2000/39/EC.".

3. Schedule V of the principal regulations shall be substituted by the following:

"SCHEDULE V

OCCUPATIONAL EXPOSURE LIMIT VALUES

EC No (1)	CAS No (2)	Name of agent	Limit values				Notation (3)
			Eight hours (4)		Short-term (5)		
			mg/ m3 (6)	ppm (7)	mg/m3 (6)	ppm (7)	
200-193-3	54-11-5	Nicotine	0.5	-	-	-	skin
200-240-8	55-63-0	Glycerol trinitrate	0.095	0.01	0.19	0.02	skin
200-262-8	56-23-5	Carbon tetrachloride; Tetrachloromethane	6.4	1	32	5	skin
200-467-2	60-29-7	Diethylether	308	100	616	200	-
200-521-5	61-82-5	Amitrole	0.2	-	-	-	-
200-539-3	62-53-3	Aniline ([15])	7.74	2	19.35	5	skin
200-579-1	64-18-6	Formic acid	9	5	-	-	-
200-580-7	64-19-7	Acetic acid	25	10	50	20	-
200-659-6	67-56-1	Methanol	260	200	-	-	skin
200-662-2	67-64-1	Acetone	1210	500	-	-	-
200-663-8	67-66-3	Chloroform	10	2	-	-	skin
200-679-5	68-12-2	N,N-Dimethylformamide	15	5	30	10	skin
200-756-3	71-55-6	1,1,1-Trichloroethane	555	100	1100	200	-
200-817-4	74-87-3	Chloromethane	42	20	-	-	-
200-821-6	74-90-8	Hydrogen cyanide (as cyanide)	1	0.9	5	4.5	skin
200-830-5	75-00-3	Chloroethane	268	100	-	-	-
200-834-7	75-04-7	Ethylamine	9.4	5	-	-	-
200-835-2	75-05-8	Acetonitrile	70	40	-	-	skin
200-838-9	75-09-2	Methylene chloride; Dichloromethane	353	100	706	200	skin
200-843-6	75-15-0	Carbon disulphide	15	5	-	-	skin
200-863-5	75-34-3	1,1-Dichloroethane	412	100	-	-	skin
200-864-0	75-35-4	Vinylidene chloride; 1,1- Dichloroethylene	8	2	20	5	-
200-870-3	75-44-5	Phosgene	0.08	0.02	0.4	0.1	-
200-871-9	75-45-6	Chlorodifluoromethane	3600	1000	-	-	-
200-875-0	75-50-3	Trimethylamine	4.9	2	12.5	5	-

201-083-8	78-10-4	Tetraethyl orthosilicate	44	5	-	-	-
201-142-8	78-78-4	Isopentane	3000	1000	-	-	-
201-159-0	78-93-3	Butanone	600	200	900	300	-
201-176-3	79-09-4	Propionic acid	31	10	62	20	-
201-177-9	79-10-7	Acrylic acid; Prop-2-enoic acid	29	10	59([8])	20([8])	-
201-188-9	79-24-3	Nitroethane	62	20	312	100	skin
201-245-8	80-05-7	Bisphenol A; 4,4'-Isopropylidenediphenol	2([9])	-	-	-	-
201-297-1	80-62-6	Methyl methacrylate	-	50	-	100	-
201-865-9	88-89-1	Picric acid	0.1	-	-	-	-
202-049-5	91-20-3	Naphtalene	50	10	-	-	-
202-422-2	95-47-6	*o*-Xylene	221	50	442	100	skin
202-425-9	95-50-1	1,2-Dichlorobenzene	122	20	306	50	skin
202-436-9	95-63-6	1,2,4-Trimethylbenzene	100	20	-	-	-
202-500-6	96-33-3	Methyl acrylate	18	5	36	10	-
202-704-5	98-82-8	2-Phenyl-propane (Cumene) ([15])	50	10	250	50	skin
202-705-0	98-83-9	2-Phenylpropene	246	50	492	100	-
202-716-0	98-95-3	Nitrobenzene	1	0.2	-	-	skin
202-849-4	100-41-4	Ethylbenzene	442	100	884	200	skin
202-981-2	101-84-8	Diphenyl ether	7	1	14	2	-
203-234-3	104-76-7	2-Ethylhexan-1-ol	5.4	1	-	-	-
203-300-1	105-46-4	sec-Butylacetate	241	50	723	150	-
203-313-2	105-60-2	ε-Caprolactam (dust and vapour)	10	-	40	-	-
203-388-1	106-35-4	Heptan-3-one	95	20	-	-	-
203-396-5	106-42-3	p-Xylene	221	50	442	100	skin
203-400-5	106-46-7	1,4-Dichlorobenzene; p- Dichlorobenzene	12	2	60	10	skin
203-403-1	106-49-0	4-aminotoluene	4.46	1	8.92	2	skin
203-453-4	107-02-8	Acrolein; Acrylaldehyde; Prop-2-enal	0.05	0.02	0.12	0.05	-
203-470-7	107-18-6	Allyl alcohol	4.8	2	12.1	5	skin
203-473-3	107-21-1	Ethylene glycol	52	20	104	40	skin
203-481-7	107-31-3	Methyl formate	125	50	250	100	skin
203-539-1	107-98-2	1-Methoxy-2-propanol	375	100	568	150	skin
203-545-4	108-05-4	Vinyl acetate	17.6	5	35.2	10	skin
203-550-1	108-10-1	4-Methylpentan-2-one	83	20	208	50	-
203-576-3	108-38-3	*m*-Xylene	221	50	442	100	skin
203-585-2	108-46-3	Resorcinol	45	10	-	-	skin
203-603-9	108-65-6	2-Methoxy-1-methylethyl acetate	275	50	550	100	skin
203-604-4	108-67-8	Mesitylene (Trimethylbenzes)	100	20	-	-	-
203-625-9	108-88-3	Toluene	192	50	384	100	skin

203-628-5	108-90-7	Monochlorobenzene	23	5	70	15	-
203-631-1	108-94-1	Cyclohexanone	40.8	10	81.6	20	skin
203-632-7	108-95-2	Phenol	8	2	16	4	skin
203-692-4	109-66-0	Pentane	3000	1000	-	-	-
203-713-7	109-86-4	2-Methoxyethanol	-	1	-	-	skin
203-716-3	109-89-7	Diethylamine	15	5	30	10	-
203-726-8	109-99-9	Tetrahydrofuran	150	50	300	100	skin
203-737-8	110-12-3	5-Methylhexan-2-one	95	20	-	-	-
203-745-1	110-19-0	Isobutyl acetate	241	50	723	150	-
203-767-1	110-43-0	Heptan-2-one	238	50	475	100	skin
203-772-9	110-49-6	2-Methoxyethyl acetate	-	1	-	-	skin
203-777-6	110-54-3	n-Hexane	72	20	-	-	-
203-788-6	110-65-6	But-2-yne-1,4-diol	0.5	-	-	-	-
203-804-1	110-80-5	2-Ethoxyethanol	8	2	-	-	skin
203-806-2	110-82-7	Cyclohexane	700	200	-	-	-
203-808-3	110-85-0	Piperazine	0.1	-	0.3	-	-
203-809-9	110-86-1	Pyridine	15	5	-	-	-
203-815-1	110-91-8	Morpholine	36	10	72	20	-
203-839-2	111-15-9	2-Ethoxyethyl acetate	11	2	-	-	skin
203-905-0	111-76-2	2-Butoxyethanol	98	20	246	50	skin
203-906-6	111-77-3	2-(2-Methoxyethoxy)ethanol	50.1	10	-	-	skin
203-933-3	112-07-2	2-Butoxyethyl acetate	133	20	333	50	skin
203-961-6	112-34-5	2-(2-Butoxyethoxy)ethanol	67.5	10	101.2	15	-
204-065-8	115-10-6	Dimethylether	1920	1000	-	-	-
204-428-0	120-82-1	1,2,4-Trichlorobenzene	15.1	2	37.8	5	skin
204-469-4	121-44-8	Triethylamine	8.4	2	12.6	3	skin
204-633-5	123-51-3	Isoamyl alcohol	18	5	37	10	-
204-658-1	123-86-4	*n*-Butyl acetate	241	50	723	150	-
204-661-8	123-91-1	1,4-Dioxane	73	20	-	-	-
204-662-3	123-92-2	Isopentylacetate	270	50	540	100	-
204-696-9	124-38-9	Carbon dioxide	9000	5000	-	-	-
204-697-4	124-40-3	Dimethylamine	3.8	2	9.4	5	-
204-825-9	127-18-4	Tetrachloroethylene	138	20	275	40	skin
204-826-4	127-19-5	N,N-Dimethylacetamide	36	10	72	20	skin
205-438-8	140-88-5	Ethyl acrylate	21	5	42	10	-
205-480-7	141-32-2	*n*-Butyl acrylate	11	2	53	10	-
205-483-3	141-43-5	2-Aminoethanol	2.5	1	7.6	3	skin
205-500-4	141-78-6	Ethyl acetate	734	200	1468	400	-
205-563-8	142-82-5	*n*-Heptane	2085	500	-	-	-
205-599-4	143-33-9	Sodium cyanide (as cyanide)	1	-	5	-	skin
205-634-3	144-62-7	Oxalic acid	1	-	-	-	-
205-792-3	151-50-8	Potassium cyanide (as cyanide)	1	-	5	-	skin

206-992-3	420-04-2	Cyanamide	1	0.58	-	-	skin
207-069-8	431-03-8	Diacetyl; Butanedione	0.07	0.02	0.36	0.1	-
207-343-7	463-82-1	Neopentane	3000	1000	-	-	-
208-394-8	526-73-8	1,2,3-Trimethylbenzene	100	20	-	-	-
208-793-7	541-85-5	5-Methylheptan-3-one	53	10	107	20	-
210-866-3	624-83-9	Methyl isocyanate	-	-	-	0.02	-
210-946-8	626-38-0	1-Methylbutyl acetate	270	50	540	100	-
211-047-3	628-63-7	Pentyl acetate	270	50	540	100	-
211-128-3	630-08-0	Carbon monoxide	23	20	117	100	-
212-828-1	872-50-4	n-Methyl-2-pyrrolidone	40	10	80	20	skin
215-137-3	1305-62-0	Calcium dihydroxide	1([10])	-	4([10])	-	-
215-138-9	1305-78-8	Calcium oxide	1([10])	-	4([10])	-	-
215-236-1	1314-56-3	Diphosphorus pentaoxide	1	-	-	-	-
215-242-4	1314-80-3	Diphosphorus pentasulphide	1	-	-	-	-
215-293-2	1319-77-3	Cresols (all isomers)	22	5	-	-	-
215-535-7	1330-20-7	Xylene, mixed isomers, pure	221	50	442	100	skin
216-653-1	1634-04-4	Tert-Butyl methyl ether	183.5	50	367	100	-
222-995-2	3689-24-5	Sulphotep	0.1	-	-	-	skin
231-116-1	7440-06-4	Platinum (metallic)	1	-	-	-	-
231-131-3	7440-22-4	Silver, metallic	0.1	-	-	-	-
231-131-3		Silver (soluble compounds as Ag)	0.01	-	-	-	-
231-195-2	7446-09-5	Sulphur dioxide	1.3	0.5	2.7	1	-
231-484-3	7580-67-8	Lithium hydride	-	-	0.02([9])	-	-
231-595-7	7647-01-0	Hydrogen chloride	8	5	15	10	-
231-633-2	7664-38-2	Orthophosphoric acid	1	-	2	-	-
231-634-8	7664-39-3	Hydrogen fluoride	1.5	1.8	2.5	3	-
231-635-3	7664-41-7	Ammonia, anhydrous	14	20	36	50	-
231-639-5	7664-93-9	Sulphuric acid mist ([11])([12])	0.05	-	-	-	-
231-714-2	7697-37-2	Nitric acid	-	-	2.6	1	-
231-778-1	7726-95-6	Bromine	0.7	0.1	-	-	-
231-954-8	7782-41-4	Fluorine	1.58	1	3.16	2	-
231-959-5	7782-50-5	Chlorine	-	-	1.5	0.5	-
231-977-3	7783-06-4	Hydrogen sulphide	7	5	14	10	-
231-978-9	7783-07-5	Dihydrogen selenide	0.07	0.02	0.17	0.05	-
232-260-8	7803-51-2	Phosphine	0.14	0.1	0.28	0.2	-
232-319-8	8003-34-7	Pyrethrum (purified of sensitising lactones)	1	-	-	-	-
233-046-7	10025-87-3	Phosphoryl trichloride	0.064	0.01	0.12	0.02	-

233-060-3	10026-13-8	Phosphorus pentachloride	1	-	-	-	-
233-113-0	10035-10-6	Hydrogen bromide	-	-	6.7	2	-
233-271-0	10102-43-9	Nitrogen monoxide([13])	2.5	2	-	-	-
233-272-6	10102-44-0	Nitrogen dioxide	0.96	0.5	1.91	1	-
247-852-1	26628-22-8	Sodium azide	0.1	-	0.3	-	skin
252-104-2	34590-94-8	(2-Methoxy-methylethoxy)-propanol	308	50	-	-	skin
262-967-7	61788-32-7	Terphenyl, hydrogenated	19	2	48	5	-
	620-11-1	3-Pentylacetate	270	50	540	100	-
	625-16-1	Amylacetate, tert	270	50	540	100	-
		Fluorides, inorganic	2.5	-	-	-	-
		Barium (soluble compounds as Ba)	0.5	-	-	-	-
		Chromium Metal, Inorganic Chromium (II) Compounds and Inorganic Chromium (III) Compounds (insoluble)	2	-	-	-	-
		Tin (inorganic compounds as Sn)	2	-	-	-	-
		Mercury and divalent inorganic mercury compounds including mercuric oxides and mercuric chloride (measured as mercury) ([14])	0.02				
		Manganese and inorganic manganese compounds (as manganese)	0.2 ([9]) 0.05([10])				

(1) EC No: European Community (EC) number, the numerical identifier for substances within the European Union.

(2) CAS No: Chemical Abstract Service Registry Number.

(3) A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin.

(4) Measured or calculated in relation to a reference period of eight-hours as a time-weighted average.

(5) Short-term exposure limit (STEL). A limit value above which exposure should not occur and is related to a 15-minute period, unless otherwise specified.

(6) mg/m 3: milligrams per cubic metre of air at 20 °C and 101.3 KPa.

(7) ppm: parts per million by volume in air (ml/m3).

(8) Short-term exposure limit value in relation to a reference period of 1 minute.

(9) Inhalable fraction.

(10)Respirable fraction.

(11)When selecting an appropriate exposure monitoring method , account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds.

(12)The mist is defined as the thoracic fraction.

(13)Established in accordance with the Annex to Directive.

(14)During exposure monitoring for mercury and its divalent inorganic compounds, account should be taken of relevant biological monitoring techniques that complement the OELV.

(15)During exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemical Agents (SCOEL).".

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