

The final ranking of the substances, revised according to the consultation (step 8) and the discussions in the joint meeting of the HBM4EU Management Board and the EU Policy Board (step 9), is presented in table 1 (ranked by global score) and table 2 (ranked by global score within categories A-D).

**Table 1: Ranking of substances based on their global score against the criteria hazard, exposure and public concern.**

Substances shaded in blue are monitored under the multi-annual Community control programme for 2018, 2019 and 2020, see [Commission Implementing Regulation \(EU\) 2017/660](#)

	Substance / substance group	Hazard score	Exposure score	Public concern score	Global score	Categorisation
1	Arsenic inorganic compounds	27.2	38	9	74.2	B
2	Lead (Group: Lead & its compound)	25.3	36	9	70.3	A
3	Acrylamide	27.2	36.8	5.4	69.4	B
4	Aflatoxin B1 (Group: Mycotoxins)	30.8	27.2	5.4	63.4	B
5	Chlorpyrifos	13.3	29.2	20	62.5	B
6	Dimethoate	12.4	31.2	18	61.6	C
7	Pyrethroids	16	27.2	18	61.2	B
8	Permethrin (Group: Pyrethroids)	14	28	18	60	B
9	Mercury (Group: Mercury & its organic compounds)	17.2	28	10.8	56	A
10	DDAC (Group: QACs)	9.2	32.8	12.8	54.8	C
11	Methylmercury (Group: Mercury & its organic compounds)	22	23.2	9	54.2	B
12	Nano titanium dioxide (Group: Nanos)	16	26.8	10.8	53.6	D
13	4,4-MDI, 2,4-TDI & 2,6-TDI (Group: Diisocyanate )	18	28	7.2	53.2	C
14	Glyphosate	7.2	32	12.8	52	B



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	Substance / substance group	Hazard score	Exposure score	Public concern score	Global score	Categorisation
15	Deoxynivalenol (Group: Mycotoxins)	18	28	5.4	<b>51.4</b>	<b>C</b>
16	BP-3 (Group: UV filters-Benzophenones)	12.8	29.2	9	<b>51</b>	<b>B</b>
17	D4 (Group: Cyclic Siloxanes )	5.6	33.2	11	<b>49.8</b>	<b>C</b>
18	N,N-dimethylformamide (DMF) (Group: Reprotoxic aprotic solvents)	16	30	3.6	<b>49.6</b>	<b>B</b>
19	Nano silver (Group: Nanos)	14	26	9	<b>49</b>	<b>D</b>
20	BHT	14	32.8	1.8	<b>48.6</b>	<b>C</b>
21	Fumonisin B1 (Group: Mycotoxins)	18	24	5.4	<b>47.4</b>	<b>C</b>
22	Fipronil	16.8	25.2	3.6	<b>45.6</b>	<b>C</b>
23	Perchlorate	13.2	30	1.8	<b>45</b>	<b>C</b>
24	1-methyl-2-pyrrolidone (NMP) (Group: Reprotoxic aprotic solvents)	12	27.2	3.6	<b>42.8</b>	<b>B</b>
25	UV-328 (Group: Phenolic benzotriazoles)	12	27.2	1,8	<b>41</b>	<b>C</b>
26	Carbon nanotube (CNTs) (Group: Nanos)	12.8	18.8	9	<b>40.6</b>	<b>D</b>
27	BENPAT (Group: Substituted phenylenediamines )	15.2	24.8	0	<b>40</b>	<b>D</b>
28	POE-tallowamine	12	20	3.6	<b>35.6</b>	<b>C</b>
29	N,N-diethyl-m-toluamide (DEET)	7.2	25.2	0	<b>32.4</b>	<b>C</b>



**Table 2: Ranking of substances and substance groups based on their category, alongside their global score against the criteria hazard, exposure and public concern**

Name	Hazard score	Exposure score	Public concern score	Global score	Categorisation
<b>Category A</b>					
Lead (Group: Lead & its compound)	25.3	36	9	<b>70.3</b>	A
Mercury (Group: Mercury & its organic compounds)	17.2	28	10.8	<b>56</b>	A
<b>Category B</b>					
Arsenic inorganic compounds	27.2	38	9	<b>74.2</b>	B
Acrylamide	27.2	36.8	5.4	<b>69.4</b>	B
Aflatoxin B1 (Group: Mycotoxins)	30.8	27.2	5.4	<b>63.4</b>	B
Chlorpyrifos	13.3	29.2	20	<b>62.5</b>	B
Pyrethroids	16	27.2	18	<b>61.2</b>	B
Permethrin (Group: Pyrethroids)	14	28	18	<b>60</b>	B
Methylmercury (Group: Mercury & its organic compounds)	22	23.2	9	<b>54.2</b>	B
Glyphosate	7.2	32	12.8	<b>52</b>	B
BP-3 (Group: UV filters-Benzophenones)	12.8	29.2	9	<b>51</b>	B
N,N-dimethylformamide (DMF) (Group: Reprotoxic aprotic solvents)	16	30	3.6	<b>49.6</b>	B
1-methyl-2-pyrrolidone (NMP) (Group: Reprotoxic aprotic solvents)	12	27.2	3.6	<b>42.8</b>	B
<b>Category C</b>					
Dimethoate	12.4	31.2	18	<b>61.6</b>	C
DDAC (Group: QACs)	9.2	32.8	12.8	<b>54.8</b>	C
Diisocyanates (4,4-MDI, 2,4-TDI & 2,6-TDI)	18	28	7.2	<b>53.2</b>	C



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Name	Hazard score	Exposure score	Public concern score	Global score	Categorisation
Deoxynivalenol (DON) (Group: Mycotoxins)	18	28	5.4	<b>51.4</b>	C
D4 (Group: Cyclic Siloxanes )	5.6	33.2	11	<b>49.8</b>	C
BHT	14	32.8	1.8	<b>48.6</b>	C
Fumonisin B1 (Group: Mycotoxins)	18	24	5.4	<b>47.4</b>	C
Fipronil	16.8	25.2	3.6	<b>45.6</b>	C
Perchlorate	13.2	30	1.8	<b>45</b>	C
UV 328 (Group: Phenolic benzotriazoles)	12	27.2	1.8	<b>41</b>	C
POE-tallowamine	12	20	3.6	<b>35.6</b>	C
N,N-diethyl-m-toluamide (DEET)	7.2	25.2	0	<b>32.4</b>	C
<b>Category D</b>					
Nano titanium dioxide (Group: Nanos)	16	26.8	10.8	<b>53.6</b>	D
Nano Silver (Group: Nanos)	14	26	9	<b>49</b>	D
Carbon nanotube (CNTs) (Group: Nanos)	12.8	18.8	9	<b>40.6</b>	D
BENPAT (Group: Substituted phenylenediamines )	15.2	24.8	0	<b>40</b>	D