

**Summary document for the catalogue of questions  
"Chemicals"**

Number	Source	Response	Remarks	Dealt with on
<b>Knowledge of physics and chemistry</b>				
<b>Objective 1</b>				
331 01.0-01	Basic general knowledge	B		06.06.2011
331 01.0-02	Basic general knowledge	B		06.06.2011
331 01.0-03	Basic general knowledge	C		06.06.2011
331 01.0-04	Basic general knowledge	D		06.06.2011
331 01.0-05	Basic general knowledge	B		06.06.2011
331 01.0-06	Basic general knowledge	A		06.06.2011
331 01.0-07	Basic general knowledge	B		06.06.2011
331 01.0-08	Basic general knowledge	C		
<b>Objective 2</b>				
331 02.0-01	Basic knowledge of physics	C		06.06.2011
331 02.0-02	Basic knowledge of physics	B		06.06.2011
331 02.0-03	Basic knowledge of physics	D		22.09.2022
331 02.0-04	Basic knowledge of physics	A		30.09.2014
331 02.0-05	Basic knowledge of physics	C		22.09.2022
331 02.0-06	Basic knowledge of physics	C		06.06.2011
331 02.0-07	Basic knowledge of physics	B		06.06.2011
331 02.0-08	Basic knowledge of physics	A		06.06.2011
331 02.0-09	Basic knowledge of physics	A		06.06.2011
331 02.0-10	Basic knowledge of physics	C		06.06.2011
331 02.0-11	Basic knowledge of physics	B		06.06.2011
331 02.0-12	Basic knowledge of physics	B		13.03.2012
331 02.0-13	Basic knowledge of physics	C		06.06.2011
331 02.0-14	Basic knowledge of physics	B		06.06.2011
331 02.0-15	Basic knowledge of physics	C		22.09.2022
331 02.0-16	Basic knowledge of physics	D		06.06.2011
331 02.0-17	Basic knowledge of physics	B		06.06.2011
331 02.0-18	Basic knowledge of physics	A		06.06.2011
331 02.0-19	Basic knowledge of physics	D		06.06.2011
331 02.0-20	Basic knowledge of physics	D		06.06.2011
331 02.0-21	Basic knowledge of physics	B		28.09.2016
331 02.0-22	Basic knowledge of physics	C		22.09.2022
331 02.0-23	Basic knowledge of physics	C		30.09.2014
<b>Objective 3</b>				
331 03.0-01	Basic knowledge of physics	C		22.09.2022
331 03.0-02	Basic knowledge of physics	B		22.09.2022
331 03.0-03	Basic knowledge of physics	B		13.03.2012
331 03.0-04	Basic knowledge of physics	A		13.03.2012
331 03.0-05	Basic knowledge of physics	D		06.06.2011
331 03.0-06			deleted (2012)	13.03.2012
331 03.0-07	Basic knowledge of physics	C		22.09.2022
331 03.0-08	Basic knowledge of physics	A		06.06.2011
331 03.0-09	Basic knowledge of physics	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
331 03.0-10	Basic knowledge of physics	C		06.06.2011
331 03.0-11	Basic knowledge of chemistry	A		22.09.2022
<b>Objective 4</b>				
331 04.0-01	Basic knowledge of substances	B		30.09.2014
331 04.0-02	Basic knowledge of substances	B		30.09.2014
331 04.0-03	Basic knowledge of substances	C		13.03.2012
331 04.0-04	Basic knowledge of substances	B		06.06.2011
331 04.0-05	Basic knowledge of substances	C		06.06.2011
331 04.0-06	Basic knowledge of substances	A		06.06.2011
331 04.0-07	Basic knowledge of substances	C		06.06.2011
331 04.0-08	Basic knowledge of substances	B		30.09.2014
<b>Objective 5</b>				
331 05.0-01	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
331 05.0-02	Basic knowledge of substances – $\rho = m/V$	C		13.03.2012
331 05.0-03	Basic knowledge of substances – $\rho = m/V$	A		19.09.2018
331 05.0-04	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
331 05.0-05	Basic knowledge of substances – $\rho = m/V$	C		22.09.2022
331 05.0-06	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
331 05.0-07	Basic knowledge of substances – $\rho = m/V$	B		13.03.2012
331 05.0-08	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-09	Basic knowledge of substances – $\rho = m/V$	C		13.03.2012
331 05.0-10	Basic knowledge of substances – $\rho = m/V$	A		22.09.2022
331 05.0-11	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-12	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011
331 05.0-13	Basic knowledge of substances – $\rho = m/V$	A		22.09.2022
331 05.0-14	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011

Number	Source	Response	Remarks	Dealt with on
331 05.0-15	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011
331 05.0-16	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
<b>Objective 6</b>				
331 06.0-01	Basic knowledge of chemistry	B		06.06.2011
331 06.0-02	Basic knowledge of chemistry	D		19.09.2018
331 06.0-03	Basic knowledge of chemistry	C		06.06.2011
331 06.0-04	Basic knowledge of chemistry	C		06.06.2011
331 06.0-05	Basic knowledge of chemistry	A		06.06.2011
331 06.0-06	Basic knowledge of chemistry	B		28.09.2016
331 06.0-07	Basic knowledge of chemistry	D		06.06.2011
331 06.0-08	Basic knowledge of chemistry	B		06.06.2011
<b>Objective 7</b>				
331 07.0-01	Basic knowledge of chemistry	A		06.06.2011
331 07.0-02	Basic knowledge of chemistry	B		06.06.2011
331 07.0-03	Basic knowledge of chemistry	D		13.03.2012
331 07.0-04	Basic knowledge of chemistry	B		06.06.2011
331 07.0-05	Basic knowledge of chemistry	C		06.06.2011
331 07.0-06	Basic knowledge of chemistry	A		06.06.2011
331 07.0-07	Basic knowledge of chemistry	A		10.12.2020
331 07.0-08	Basic knowledge of chemistry	A		06.06.2011
331 07.0-09	Basic knowledge of chemistry	B		30.09.2014
331 07.0-10	Basic knowledge of chemistry	B		06.06.2011
331 07.0-11	Basic knowledge of chemistry	D		06.06.2011
331 07.0-12	Basic knowledge of chemistry	B		06.06.2011
331 07.0-13	Basic knowledge of chemistry	A		06.06.2011
331 07.0-14	Basic knowledge of chemistry	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
331 07.0-15	Basic knowledge	A		28.09.2016
<b>Objective 8</b>				
331 08.0-01	Basic knowledge of chemistry	B		06.06.2011
331 08.0-02	Basic knowledge of chemistry	A		06.06.2011
331 08.0-03	Basic knowledge of chemistry	A		06.06.2011
331 08.0-04	Basic knowledge of chemistry	A		06.06.2011
331 08.0-05	Basic knowledge of chemistry	C		06.06.2011
331 08.0-06	Basic knowledge of chemistry	B		22.09.2022
331 08.0-07	Basic knowledge	D		22.09.2022
331 08.0-08	Basic knowledge of chemistry	A		06.06.2011
331 08.0-09	Basic knowledge of chemistry	C		06.06.2011
331 08.0-10	Basic knowledge of chemistry	D		06.06.2011
331 08.0-11	Basic knowledge of chemistry	C		06.06.2011
331 08.0-12	Basic knowledge of chemistry	B		06.06.2011
331 08.0-13	Basic knowledge of chemistry	B		06.06.2011
331 08.0-14	Basic knowledge of chemistry	B		06.06.2011
331 08.0-15	Basic knowledge of chemistry	B		06.06.2011
331 08.0-16	Basic knowledge of chemistry	C		06.06.2011
331 08.0-17	Basic knowledge of chemistry	C		06.06.2011
<b>Objective 9</b>				
331 09.0-01	Basic knowledge of chemistry	B		22.09.2022
331 09.0-02	Basic knowledge of chemistry	C	Modification only in German	22.09.2022
331 09.0-03	Basic knowledge of chemistry	A	Modification only in German	22.09.2022
331 09.0-04	Basic knowledge of chemistry	D	Modification only in German	22.09.2022
331 09.0-05	Basic knowledge of chemistry	C		06.06.2011
331 09.0-06	Basic knowledge of chemistry	B		10.12.2020

Number	Source	Response	Remarks	Dealt with on
331 09.0-07	Basic knowledge of chemistry	D		13.03.2012
331 09.0-08	Basic knowledge of chemistry	B		06.06.2011
331 09.0-09	Basic knowledge of chemistry	C		06.06.2011
331 09.0-10	Basic knowledge of chemistry	D	Modification only in German	22.09.2022
331 09.0-11	Basic knowledge of chemistry	A		06.06.2011
331 09.0-12	Basic knowledge of chemistry	B		06.06.2011
331 09.0-13	Basic knowledge of chemistry	B		06.06.2011
331 09.0-14	Basic knowledge of chemistry	D	Modification only in German	22.09.2022
331 09.0-15	Basic knowledge of chemistry	B		06.06.2011
331 09.0-16	Basic knowledge of chemistry	A		06.06.2011
<b>Objective 10</b>				
331 10.0-01	Basic knowledge of chemistry	A		06.06.2011
331 10.0-02	Basic knowledge of chemistry	B		06.06.2011
331 10.0-03	Basic knowledge of chemistry	C		06.06.2011
331 10.0-04	Basic knowledge of chemistry	A		06.06.2011
331 10.0-05	Basic knowledge of chemistry	B		06.06.2011
331 10.0-06	Basic knowledge of chemistry	B		06.06.2011
331 10.0-07	Basic knowledge of chemistry	A		13.03.2012
<b>Objective 11</b>				
331 11.0-01	Basic knowledge of chemistry	A		30.09.2014
331 11.0-02	Basic knowledge of chemistry	C		06.06.2011
331 11.0-03	Basic knowledge of chemistry	A		06.06.2011
331 11.0-04	Basic knowledge of chemistry	B		13.03.2012
331 11.0-05	Basic knowledge of chemistry	C		22.09.2022
331 11.0-06	Basic knowledge of chemistry	C		06.06.2011
331 11.0-07	Basic knowledge of chemistry	D		06.06.2011

Number	Source	Response	Remarks	Dealt with on
331 11.0-08	Basic knowledge of chemistry	D		06.06.2011
331 11.0-09	Basic knowledge of chemistry	B		06.06.2011
331 11.0-10	Basic knowledge of chemistry	C		06.06.2011
331 11.0-11	Basic knowledge of chemistry	B		06.06.2011
331 11.0-12	Basic knowledge of chemistry	A		19.09.2018
331 11.0-13	Basic knowledge of chemistry	D		19.09.2018
331 11.0-14	Basic knowledge of chemistry	B		19.09.2018
331 11.0-15	Basic knowledge of chemistry	D		06.06.2011
331 11.0-16	Basic knowledge of chemistry	B		06.06.2011
331 11.0-17	Basic knowledge of chemistry	B		19.09.2018
331 11.0-18	Basic knowledge of chemistry	C		06.06.2011
331 11.0-19	Basic knowledge of chemistry	A		06.06.2011
331 11.0-20			deleted (2011)	06.06.2011
<b>Objective 12</b>				
331 12 0-01	Basic knowledge of chemistry	B		06.06.2011
331 12.0-02	Basic knowledge of chemistry	A		30.09.2014
331 12.0-03	Basic knowledge of chemistry	B		10.12.2020
331 12.0-04	Basic knowledge of chemistry	A		30.09.2014
331 12.0-05	Basic knowledge of chemistry	C		06.06.2011
331 12.0-06	Basic knowledge of chemistry	D		06.06.2011
331 12.0-07	Basic knowledge of chemistry	B		22.09.2022
331 12.0-08	Basic knowledge of chemistry	C		06.06.2011
331 12.0-09	Basic knowledge of chemistry	B		06.06.2011
331 12.0-10	Basic knowledge of chemistry	A		13.03.2012
331 12.0-11	Basic knowledge of chemistry	A		06.06.2011
331 12.0-12	Basic knowledge of chemistry	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
331 12.0-13	Basic knowledge of chemistry	D		06.06.2011
331 12.0-14	Basic knowledge of chemistry	B		06.06.2011
331 12.0-15	Basic knowledge of chemistry	A		22.09.2022
331 12.0-16	Basic knowledge of chemistry	D		30.09.2014
<b>Practice</b>				
<b>Objective 1</b>				
332 01.0-01	Maximum permissible concentration at the work place	A		10.12.2020
332 01.0-02	Maximum permissible concentration at the work place	B		22.09.2022
332 01.0-03	Measuring the concentration of gas	C		22.09.2022
332 01.0-04	Basic general knowledge	C		06.06.2011
332 01.0-05	Measuring the concentration of gas	A		10.12.2020
332 01.0-06	Measuring the concentration of gas	B		10.12.2020
332 01.0-07	Measuring the concentration of gas	A		22.09.2022
332 01.0-08			deleted (2021)	10.12.2020
332 01.0-09	Maximum permissible concentration at the work place	B		10.12.2020
332 01.0-10	Maximum permissible concentration at the work place	C		22.09.2022
332 01.0-11	Measuring the concentration of gas	A		10.12.2020
332 01.0-12	Measuring the concentration of gas	D		22.09.2022
332 01.0-13	Maximum permissible concentration at the work place	C		13.03.2012
332 01.0-14	Basic general knowledge	A		06.06.2011
<b>Objective 2</b>				
332 02.0-01	1.2.1	A		19.09.2018
332 02.0-02	3.2.3.2 Table C	B		30.09.2014
332 02.0-03	7.2.4.22.4	C		22.09.2022
332 02.0-04	3.2.3.2 Table C	B		28.09.2016
332 02.0-05	3.2.3.2 Table C	A		22.09.2022
332 02.0-06	3.2.3.2 Table C, 7.2.4.16.8, 8.1.5	B		30.09.2014



Number	Source	Response	Remarks	Dealt with on
332 02.0-07	1.2.1	C		22.09.2022
332 02.0-08	3.2.3.2, Table C	A		30.09.2014
332 02.0-09	7.2.4.22.3	B		10.12.2020
332 02.0-10	3.2.3.2 Table C	D		30.09.2014
332 02.0-11	7.2.4.22.3	C		19.09.2018
332 02.0-12	1.2.1	A		22.09.2022
<b>Objective 3</b>				
332 03.0-01	7.2.3.44	A		22.09.2022
332 03.0-02	Cleaning the cargo tanks	B		06.06.2011
332 03.0-03	Cleaning the cargo tanks	C		30.09.2014
332 03.0-04	Cleaning the cargo tanks	A		06.06.2011
332 03.0-05	7.2.3.44	B		19.09.2018
332 03.0-06	Cleaning the cargo tanks	D		30.09.2014
332 03.0-07	Cleaning the cargo tanks	A	Modification only in German	10.12.2020
332 03.0-08			deleted	06.06.2011
332 03.0-09	Cleaning the cargo tanks	D		22.09.2022
332 03.0-10			deleted	06.06.2011
332 03.0-11	Cleaning the cargo tanks	C		22.09.2022
332 03.0-12	Cleaning the cargo tanks	D		30.09.2014
332 03.0-13	Cleaning the cargo tanks	C		30.09.2014
332 03.0-14	Cleaning the cargo tanks	A		22.09.2022
332 03.0-15	Cleaning the cargo tanks	B		22.09.2022
332 03.0-16	Cleaning the cargo tanks	A		13.03.2012
332 03.0-17			deleted	06.06.2011
332 03.0-18	Cleaning the cargo tanks	A		22.09.2022
332 03.0-19	7.2.3.1.4, 7.2.3.1.6	D		22.09.2022
332 03.0-20	Cleaning the cargo tanks	B	Modification only in German	10.12.2020
332 03.0-21	Cleaning the cargo tanks	C		06.06.2011
332 03.0-22	7.2.3.1.6	C		22.09.2022
332 03.0-23	Cleaning the cargo tanks	B		22.09.2022
332 03.0-24	Cleaning the cargo tanks	A		22.09.2022
332 03.0-25	Cleaning the cargo tanks	A		22.09.2022
332 03.0-26	7.2.3.1.6	C		22.09.2022
332 03.0-27	Cleaning the cargo tanks	C		22.09.2022
<b>Objective 4</b>				
332 04.0-01	9.3.2.26.2	A		22.09.2022
332 04.0-02	Working with the cargo residues (Slops)	B		10.12.2020
332 04.0-03	Working with the cargo residues (Slops)	D		10.12.2020
332 04.0-04	9.3.2.26.2	C		19.09.2018
332 04.0-05	1.2.1	D		19.09.2018
332 04.0-06	7.2.4.1.1, 9.3.2.26.1	C		22.09.2022
332 04.0-07			deleted (2012)	13.03.2012
332 04.0-08	Cargo residues	C		10.12.2020
332 04.0-09	7.2.3.7.1.5, 7.2.3.7.2.5	D		22.09.2022

Number	Source	Response	Remarks	Dealt with on
332 04.0-10	9.3.2.26.1	B		22.09.2022
<b>Objective 5</b>				
332 05.0-01	7.2.3.7.1.1, 7.2.3.7.1.2	A		22.09.2022
332 05.0-02	7.2.3.7.1.2	B		19.09.2018
332 05.0-03	7.2.3.7.1.4	C		19.09.2018
332 05.0-04	7.2.3.7.1.2, 7.2.3.7.1.3	D		10.12.2020
332 05.0-05	7.2.3.7.1.2	B		19.09.2018
332 05.0-06	7.2.3.7.1.6, 7.2.3.7.2.6, 8.3.5	D		22.09.2022
332 05.0-07	7.2.3.7.1.1	A		19.09.2018
332 05.0-08	7.2.3.7.1.6, 7.2.3.7.2.6, 8.3.5	C		22.09.2022
332 05.0-09			deleted (19.09.2018)	19.09.2018
332 05.0-10			deleted (19.09.2018)	19.09.2018
332 05.0-11	8.1.2.1 (g), 7.2.3.7.1.5, 7.2.3.7.2.5	C		22.09.2022
332 05.0-12	7.2.3.7.1.5, 7.2.3.7.2.5	B		19.09.2018
<b>Objective 6</b>				
332 06.0-01	9.3.2.21.1	B		22.09.2022
332 06.0-02	9.3.2.21.1	C		22.09.2022
332 06.0-03	9.3.2.21.1	A		22.09.2022
332 06.0-04	1.2.1	D		22.09.2022
332 06.0-05	7.2.4.16.12	B		22.09.2022
332 06.0-06	3.2.3.2 Table C	C		22.09.2022
332 06.0-07	1,2	A		06.06.2011
332 06.0-08	9.3.2.25.2	C		06.06.2011
332 06.0-09			deleted (2007)	06.06.2011
332 06.0-10	3.2.3.2 Table C	B		22.09.2022
332 06.0-11	3.2.3.2 Table C	C		22.09.2022
332 06.0-12	3.2.3.2 Table C	D		22.09.2022
332 06.0-13	3.2.3.2 Table C	B		22.09.2022
332 06.0-14	9.3.2.21.5	A		06.06.2011
332 06.0-15	Basic general knowledge	C		06.06.2011
332 06.0-16	1.2.1	B		28.09.2016
332 06.0-17	Cubic expansion coefficient	B		30.09.2014
332 06.0-18	Cubic expansion coefficient	B		10.12.2020
332 06.0-19			deleted (2011)	06.06.2011
332 06.0-20	7.2.4.2.3, 7.2.4.2.4	B		22.09.2022
332 06.0-21	7.2.4.11.2	C		10.12.2020
332 06.0-22	7.2.4.21.3	A		30.09.2014
332 06.0-23	3.2.3.2 Table C	D		22.09.2022
332 06.0-24	3.2.3.2 Table C	A		22.09.2022
332 06.0-25	3.2.3.2 Table C	D		22.09.2022
332 06.0-26	7.2.4.21.3	A		22.09.2022
332 06.0-27	7.2.4.21.3	C		22.09.2022
332 06.0-28	7.2.4.21.3	C		22.09.2022

Number	Source	Response	Remarks	Dealt with on
332 06.0-29	1.4.3.3 m), 7.2.4.10	A		22.09.2022
332 06.0-30			deleted (2011)	06.06.2011
332 06.0-31	7.2.3.20.1, 9.3.2.11.5	D		13.03.2012
332 06.0-32	9.3.2.25.8 b)	D		06.06.2011
332 06.0-33	3.2.3.2 Table C	B		19.09.2018
332 06.0-34	3.2.3.2 Table C	D		28.09.2016
332 06.0-35	Inerting	C		22.09.2022
<b>Objective 7</b>				
332 07.0-01	3.2.3.2 Table C	A		30.09.2014
332 07.0-02	Temperature action	B		06.06.2011
332 07.0-03	Temperature action	C		06.06.2011
332 07.0-04	3.2.3.2 Table C	D		30.09.2014
332 07.0-05	3.2.3.2 Table C	D		22.09.2022
332 07.0-06	3.2.3.2 Table C	C		22.09.2022
332 07.0-07	3.2.3.2 Table C	C		10.12.2020
332 07.0-08	Temperature action	A		10.12.2020
332 07.0-09	7.2.4.21.2	A		30.09.2014
332 07.0-10	3.2.3.2 Table C	B		22.09.2022
332 07.0-11	3.2.3.2 Table C	C		22.09.2022
332 07.0-12	3.2.3.2 Table C	A		22.09.2022
<b>Emergency measures</b>				
<b>Objective 1</b>				
333 01.0-01	First aid	A		10.12.2020
333 01.0-02	First aid	B		06.06.2011
333 01.0-03	First aid	D		22.09.2022
333 01.0-04	First aid	D		22.09.2022
333 01.0-05	First aid	A		06.06.2011
333 01.0-06	First aid	A		06.06.2011
333 01.0-07	First aid	B		22.09.2022
<b>Objective 2</b>				
333 02.0-01	Measures in case of damage	A		10.12.2020
333 02.0-02	Measures in case of damage	C		10.12.2020
333 02.0-03	Measures in case of damage	D		22.09.2022
333 02.0-04	Measures in case of damage	A		22.09.2022
333 02.0-05	Measures in case of damage	C		10.12.2020
333 02.0-06	First aid, 7.2.3.1.6	D		22.09.2022

Number	Source	Response	Remarks	Dealt with on
<b>Objective 3</b>				
333 03.0-01	Emergency measures in case of a leak	A		06.06.2011
333 03.0-02	Emergency measures in case of a leak	D		22.09.2022
333 03.0-03	Emergency measures in case of a leak	C		10.12.2020
333 03.0-04	Basic general knowledge	D		06.06.2011
333 03.0-05	Basic general knowledge	A		10.12.2020
<b>Objective 4</b>				
333 04.0-01	Damage-control and alert plans	D		06.06.2011
333 04.0-02	Damage-control and alert plans	A		06.06.2011
333 04.0-03	Damage-control and alert plans	C		06.06.2011
333 04.0-04	Damage-control and alert plans	D		10.12.2020
333 04.0-05	Basic general knowledge, Damage-control and alert plans	C		22.09.2022
333 04.0-06	Damage-control and alert plans	B		10.12.2020

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