



Australian Government

Department of Health and Aged Care

Australian Industrial Chemicals Introduction Scheme

Chemicals unlikely to require further regulation to manage risks to environment

Evaluation statement

22 December 2022



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AICIS evaluation statement

Subject of the evaluation

Chemicals unlikely to require further regulation to manage risks to the environment

Chemicals in this evaluation

See supporting information for the list of chemicals included in the evaluation.

Reason for the evaluation

Evaluation is needed to provide information on environmental risks.

Parameters of evaluation

This evaluation provides information on chemicals identified during the Evaluation Selection Analysis (ESA) process as unlikely to require further regulation to manage risks to the environment. The ESA may investigate the intrinsic hazard of the chemicals, the potential for environmental exposure based on their identified industrial use and identified or default use volumes, and existing risk management measures.

Summary of evaluation

Summary of introduction, use and end use

See supporting information for the environmental exposure scenario identified for each chemical.

Environment

Summary of environmental risk

Based on the available information, there are no identified risks to the environment that require further regulation to manage the risk to the environment.

The 'additional information' statements for each chemical in the supporting information section provide information on factors that have contributed to the risk conclusions.

Conclusions

The conclusions of this evaluation are based on the information described in this statement.

The Executive Director is satisfied that the identified environment risks can be managed within existing risk management frameworks. This is provided that all requirements are met under environmental, workplace health and safety and poisons legislation as adopted by the relevant state or territory.

Note: Obligations to report additional information about hazards under *Section 100 of the Industrial Chemicals Act 2019* apply.

Supporting information

CAS RN	Chemical Name	Exposure scenario	Additional information
87-69-4	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-	Release to sewers	Not PBT. RQ < 1.
526-94-3	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, monosodium salt	Release to sewers	Not PBT. RQ < 1.
3164-29-2	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, diammonium salt	Release to sewers	Not PBT. RQ < 1.
3164-34-9	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, calcium salt(1:1)	Release to sewers	Not PBT. RQ < 1.
133-37-9	Butanedioic acid, 2,3-dihydroxy-, (R*,R*)- (.+-.)-	Release to sewers	Not PBT. RQ < 1.
147-71-7	Butanedioic acid, 2,3-dihydroxy-, [S-(R*,R*)]-	Release to sewers	Not PBT. RQ < 1.
304-59-6	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, monopotassium monosodium salt	Release to sewers	Not PBT. RQ < 1.
868-14-4	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, monopotassium salt	Release to sewers	Not PBT. RQ < 1.
868-18-8	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, disodium salt	Release to sewers	Not PBT. RQ < 1.
921-53-9	Butanedioic acid, 2,3-dihydroxy- [R-(R+,R+)]-, dipotassium salt	Release to sewers	Not PBT. RQ < 1.
6100-19-2	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, dipotassium salt, hemihydrate	Release to sewers	Not PBT. RQ < 1.
6106-24-7	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, disodium salt, dihydrate	Release to sewers	Not PBT. RQ < 1.
6131-98-2	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, monosodium salt, monohydrate	Release to sewers	Not PBT. RQ < 1.

6381-59-5	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, monopotassium monosodium salt, tetrahydrate	Release to sewers	Not PBT. RQ < 1.
77-91-8	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, salt with 2-hydroxy-1,2,3-propanetricarboxylic acid (1:1)	Release to sewers	Not PBT. RQ < 1.
78-73-9	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, carbonate (1:1) (salt)	Release to sewers	Not PBT. RQ < 1.
87-67-2	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, salt with [R-(R*,R*)]-2,3-dihydroxybutanedioic acid (1:1)	Release to sewers	Not PBT. RQ < 1.
123-41-1	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, hydroxide	Release to sewers	Not PBT. RQ < 1.
546-63-4	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, salt with 2-hydroxy-1,2,3-propanetricarboxylic acid (3:1)	Release to sewers	Not PBT. RQ < 1.
68856-36-0	Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, salt with 2-ethylhexanoic acid (1:1)	Release to sewers	Not PBT. RQ < 1.
106-25-2	2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	Release to sewers	Not PBT. RQ < 1.
624-15-7	2,6-Octadien-1-ol, 3,7-dimethyl-	Release to sewers	Not PBT. RQ < 1.
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylidene)-	Release to sewers	Not PBT. RQ < 1.
99-83-2	1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)-	Release to sewers	Not PBT. RQ < 1.
99-85-4	1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	Release to sewers	Not PBT. RQ < 1.
99-86-5	1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	Release to sewers	Not PBT. RQ < 1.
4221-98-1	1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)-, (R)-	Release to sewers	Not PBT. RQ < 1.
8013-00-1	Terpinene	Release to sewers	Not PBT. RQ < 1.
142-92-7	Acetic acid, hexyl ester	Release to sewers	Not PBT. RQ < 1.

105-54-4	Butanoic acid, ethyl ester	Release to sewers	Not PBT. RQ < 1.
106-30-9	Heptanoic acid, ethyl ester	Release to sewers	Not PBT. RQ < 1.
106-36-5	Propanoic acid, propyl ester	Release to sewers	Not PBT. RQ < 1.
109-21-7	Butanoic acid, butyl ester	Release to sewers	Not PBT. RQ < 1.
112-06-1	Acetic acid, heptyl ester	Release to sewers	Not PBT. RQ < 1.
112-14-1	Acetic acid, octyl ester	Release to sewers	Not PBT. RQ < 1.
112-23-2	Formic acid, heptyl ester	Release to sewers	Not PBT. RQ < 1.
123-29-5	Nonanoic acid, ethyl ester	Release to sewers	Not PBT. RQ < 1.
123-66-0	Hexanoic acid, ethyl ester	Release to sewers	Not PBT. RQ < 1.
141-06-0	Pentanoic acid, propyl ester	Release to sewers	Not PBT. RQ < 1.
540-18-1	Butanoic acid, pentyl ester	Release to sewers	Not PBT. RQ < 1.
590-01-2	Propanoic acid, butyl ester	Release to sewers	Not PBT. RQ < 1.
591-68-4	Pentanoic acid, butyl ester	Release to sewers	Not PBT. RQ < 1.
626-77-7	Hexanoic acid, propyl ester	Release to sewers	Not PBT. RQ < 1.
628-63-7	Acetic acid, pentyl ester	Release to sewers	Not PBT. RQ < 1.
1117-59-5	Pentanoic acid, hexyl ester	Release to sewers	Not PBT. RQ < 1.
2445-76-3	Propanoic acid, hexyl ester	Release to sewers	Not PBT. RQ < 1.
2639-63-6	Butanoic acid, hexyl ester	Release to sewers	Not PBT. RQ < 1.
5454-28-4	Heptanoic acid, butyl ester	Release to sewers	Not PBT. RQ < 1.
7778-87-2	Heptanoic acid, propyl ester	Release to sewers	Not PBT. RQ < 1.
68412-79-3	C.I. Pigment Red 232	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.
14059-33-7	Bismuth vanadium oxide (BiVO ₄)	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.
68909-79-5	Hematite, chromium green black	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.
68186-90-3	C.I. Pigment Brown 24	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.
68186-92-5	C.I. Pigment Yellow 163	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.

68412-38-4	C.I. Pigment Yellow 164	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.
68186-94-7	C.I. Pigment Black 26	Direct release to surface waters or soil	An inorganic substance with low toxicity and/or low bioavailability. Low concern to the environment.
2835-68-9	Benzamide, 4-amino	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
55-21-0	Benzamide	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
122-20-3	2-Propanol, 1,1',1''-nitrilotris-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
102-71-6	Ethanol, 2,2',2''-nitrilotris-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
109-83-1	Ethanol, 2-(methylamino)-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
110-73-6	Ethanol, 2-(ethylamino)-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
111-75-1	Ethanol, 2-(butylamino)-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
109-56-8	Ethanol, 2-[(1-methylethyl)amino]-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.
4620-70-6	Ethanol, 2-[(1,1-dimethylethyl)amino]-	Release to sewer, surface waters or soil	Not PBT. RQ < 1.

