

Sustainability comparison for substances



Material	Boric Acid	Magnesium Sulphate Heptahydrate	Potassium carbonate	Quartz (1% <RCS<10%)
Problem substance lists	5 Rank 2	1 Rank 1	1 Rank 1	6 Rank 2
Phys. chem. properties	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Human toxicity	5 Rank 3	1 Rank 1	3 Rank 2	5 Rank 3
CMR	5 Rank 2	1 Rank 1	1 Rank 1	5 Rank 2
Skin/Eye	1 Rank 1	1 Rank 1	3 Rank 2	1 Rank 1
Endocrine	3 Rank 2	1 Rank 1	1 Rank 1	1 Rank 1
Other damage	1 Rank 1	1 Rank 1	1 Rank 1	3 Rank 2
Environmental toxicity	3 Rank 2	1 Rank 1	1 Rank 1	1 Rank 1
Aquatic Tox.	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
PBT/vPvB + Remote	-2	-2	-2	-2
PMT/vPvM	-2	-2	-2	-2
Endocrine	3 Rank 2	1 Rank 1	1 Rank 1	1 Rank 1
Exposure potential in workplaces	1 Rank 1	3 Rank 2	3 Rank 2	3 Rank 2
Exposure potential consumers	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Exposure potential environment	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Climate and ozone	1 Rank 1	1 Rank 1	3 Rank 2	3 Rank 2
Global warming potential	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
CO2 emissions	1 Rank 1	1 Rank 1	-1	-1
Ozone depletion	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Resource consumption	3 Rank 2	3 Rank 1	-1	-1
Energy	3 Rank 2	1 Rank 1	-1	-1
Water	1 Rank 1	1 Rank 1	-1	-1
Raw materials	4 Rank 1	4 Rank 1	-1	-1
Circularity	3 Rank 1	3 Rank 1	3 Rank 1	3 Rank 1
Recovery	5 Rank 1	5 Rank 1	5 Rank 1	5 Rank 1
Pollution	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Supplier's responsibility	3 Rank 2	3 Rank 1	3 Rank 2	3 Rank 2
Worker	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Environment	1 Rank 1	1 Rank 1	1 Rank 1	1 Rank 1
Social environment	4 Rank 2	3 Rank 1	4 Rank 2	4 Rank 2