

REACH Communication of Uses to Downstream Users Industrial and Specialty Gases - Chlorine

The following table outlines REACH uses defined by Air Products for Chlorine

For a complete reference of the Use Descriptor System, please refer to the

[Guidance on Information Requirements and Chemical Safety Assessment, Chapter R.12: Use Descriptor System \(Draft, 09/18/2009\)](#)

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Use Description short form	Sector of Use	Process Category	Product Category	Environmental Release Category
Treating swimming pools with chlorine				TBD*
Using gas alone or in mixtures for the calibration of analysis equipment	0-2 Other activities related to manufacture and services	1 Use in closed process, no likelihood of exposure	21	8D
Using gas as feedstock in chemical processes	3 Industrial uses	1 Use in closed process, no likelihood of exposure	19	6A
Use as Intermediate (transported, on-site isolated)	3 Industrial uses	1 Use in closed process, no likelihood of exposure	19	6A
Paper bleaching	6 Manufacture of pulp, paper and paper products	3 Use in closed batch process (synthesis or formulation)	19	6B
Formulation of mixtures with gas in pressure receptacles	10 Formulation	1 Use in closed process, no likelihood of exposure	N/A	2
Transfilling gas or liquid	10 Formulation	1 Use in closed process, no likelihood of exposure	N/A	2
Purification of molten aluminium	14 Manufacture of basic metals	4 Use in batch and other process (synthesis) where opportunity for exposure arises	7	4
Metal treatment	15 Manufacture of fabricated metal products, except machinery and equipment	22 Potentially closed processing operations with minerals/metals at elevated temperature Industrial setting	14	TBD*
Manufacture of optical fibres	16 Manufacture of computer, electronic and optical products, electrical equipment	1 Use in closed process, no likelihood of exposure	33	6A
Water Treatment	21 Consumer uses 22 Professional uses	3 Use in closed batch process (synthesis or formulation)	37	6B

* To Be Determined