

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

The following table outlines REACH uses defined by Air Products for Acetylene.

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
Using gas alone or in mixtures for the calibration of analysis equipment	0-2 Other activities related to manufacture and services	3 Use in closed batch process (synthesis or formulation)	21	8D
Fuel gas of the flame in analyzers by atomic absorption (AAS).	0-2 Other activities related to manufacture and services	3 Use in closed batch process (synthesis or formulation)	21	TBD*
Lubrication of moulds for manufacture of glass bottles	3 Industrial uses	17 Lubrication at high energy conditions and in partly open process	24	TBD*
Metal coating by spray gun	3 Industrial uses	16 Using material as fuel sources, limited exposure to unburned product to be expected Industrial or non-industrial setting	14	open
Using gas as feedstock in chemical processes	3 Industrial uses	1 Use in closed process, no likelihood of exposure	19	6A
Welding, cutting, heating, brazing and soldering applications	3 Industrial uses	16 Using material as fuel sources, limited exposure to unburned product to be expected Industrial or non-industrial setting	38	TBD*
Compression and filling	8 Manufacture of bulk, large scale chemicals (including petroleum products)	2 Use in closed, continuous process with occasional controlled exposure (e.g. sampling) 3 Use in closed batch process (synthesis or formulation)	0	1
Manufacture of Acetylene from Calcium Carbide in closed containers (Transported intermediate)	8 Manufacture of bulk, large scale chemicals (including petroleum products)	2 Use in closed, continuous process with occasional controlled exposure (e.g. sampling) 3 Use in closed batch process (synthesis or formulation)	N/A	1
Manufacture (purification & drying)	8 Manufacture of bulk, large scale chemicals (including petroleum products)	2 Use in closed, continuous process with occasional controlled exposure (e.g. sampling) 3 Use in closed batch process (synthesis or formulation)	N/A	1
Formulation of mixtures with gas in pressure receptacles	10 Formulation	3 Use in closed batch process (synthesis or formulation)	N/A	2
Low pressure carburizing of steels	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*
Use gas as a fuel	3 Industrial uses 21 Consumer uses 22 Professional uses	16 Using material as fuel sources, limited exposure to unburned product to be expected Industrial or non-industrial setting	13	TBD*

* To Be Determined