

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

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

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	<b>0-2</b> Other activities related to manufacture and services	<b>3</b> Use in closed batch process (synthesis or formulation)	21	8D
use as fruit/vegetable growth accelerator	<b>3</b> Industrial uses	<b>8b</b> Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	27	TBD*
glass manufacturing	<b>3</b> Industrial uses	<b>16</b> Using material as fuel sources, limited exposure to unburned product to be expected Industrial or non-industrial setting	13	TBD*
Feedstock in chemical processes	<b>3</b> Industrial uses	<b>1</b> Use in closed process, no likelihood of exposure	19	6A
Formulation of mixtures with gas in pressure receptacles	<b>10</b> Formulation	<b>3</b> Use in closed batch process (synthesis or formulation)	N/A	2
Transfilling gas or liquid	<b>10</b> Formulation	<b>9</b> Transfer of substance or preparation into small containers (dedicated filling line, including weighing)	N/A	2
Use gas to refill refrigeration equipment, Refrigerant gas	<b>3</b> Industrial uses <b>22</b> Professional uses	<b>8b</b> Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	16	7

\* To Be Determined