

Ammonia NH₃

1. *General characterization*

Ammonia is a colorless, toxic, corrosive gas, with pungent odor.

2. *Air pollutant effects on human health*

- irritant affecting the skin, eyes and the respiratory passageways;
- the ingestion can cause corrosive effects at the level of mouth, esophagus and stomach;
- pulmonary edema;
- pneumonia;
- alkaline burns of skin.

3. *Air pollutant effects on ecosystems*

- it brings nitrogen (N) in the environment, phenomenon which has toxic effects on the plants, fishes and animals;
- it changes the balance between species;
- it stimulates the growing of unwanted species;
- it acidifies the soil by its rapid conversion into nitrate (NO₃).

4. *Limit values* agreed between Romania and Bulgaria for the border area, for being used within transboundary context.

Ammonia NH ₃	Limit value averaged over 1h	250 µg/m ³
	Limit value averaged over 24h	100 µg/m ³