



Physics Division ESH Bulletin 03-2

COMPRESSED GASES SECURITY ALERT (from Matheson Tri-Gas)

If you have purchased/received one or more of the following chemicals or a mixture containing any of these chemicals from Matheson Tri-Gas, this notice is intended to alert you that these chemicals are now considered high risk for possible theft and illegal use by terrorists, illegal drug manufacturers or other criminals. In general, they are poison or corrosive gases that if misused, could cause harm to people and the environment.

We urge you to review your procedures in the following areas:

1. Secure storage (this means locked away in a secure enclosure) when not in use, at both warehouse and end-use locations.
2. Security procedures during the time the chemicals are in use.
3. Good inventory tracking procedures and frequently documented inventory checks to make sure you still have what has been delivered to you. This should be done at both warehouse and end-use locations.
4. Training on the hazards of these chemicals and their security concerns for all personnel handling, storing, or using these chemicals.

Chemicals of Concern

Arsine	Ethylene oxide	Methylamine
Ammonia	Fluorine	Nickel carbonyl
Boron trichloride	Germane	Nitrogen oxides (NO, NO ₂)
Boron trifluoride	Germanium tetrafluoride	Nitrous oxide
Chlorine	Hydrogen bromide	Octafluorocyclopentene
Chlorine trifluoride	Hydrogen chloride	Phosgene
Cyanogen	Hydrogen cyanide	Phosphine
Cyanogen chloride	Hydrogen fluoride	Phosphorus trifluoride
Diborane	Hydrogen iodide	Sulfur dioxide
Dichlorosilane	Hydrogen selenide	Sulfur tetrafluoride
Ethylamine	Hydrogen sulfide	Tungsten hexafluoride

Contact your sales representative if you have any questions.