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Reclassification of Anhydrous Ammonia

2.2 non-toxic gas → 2.3,8 toxic gas,
subsidiary class 8, corrosive

Why?

- TSB review
- UN harmonization
- classification criteria
- historical context

- US classification 2.2 domestic, 2.3,8 international

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Placards

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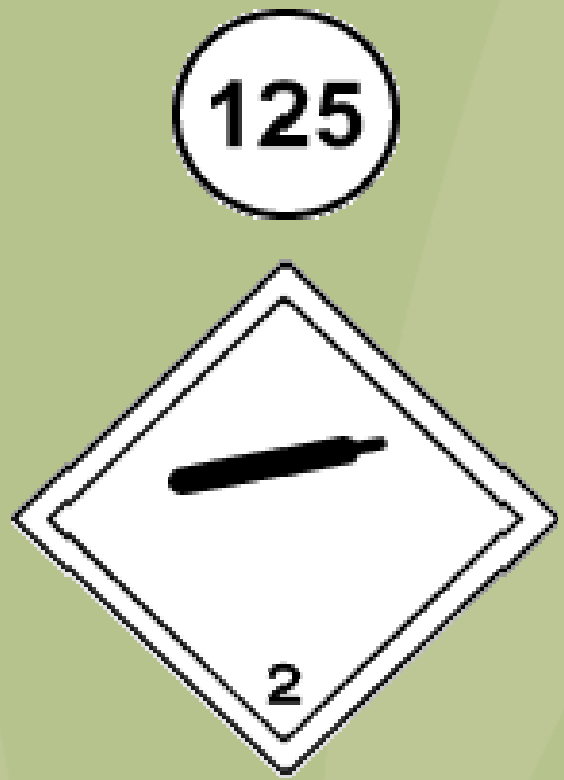
US Placard – Domestic & to Canada



TIH/PIH Requirements??

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Placarding Scenarios

1) Less than 10,000 L – no placard

2) Canadian domestic

3) Canada to US

4) US to Canada

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Placarding Scenarios (Cont.)

5) US to Canada

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Process

- Informal discussion paper issued
- Gazette I timing unclear
- 1st responders (police/fire) support 2.3 (US counterparts?)
- CGA *of Canada* supporting 2.3 (US counterparts?)
- Carriers want seamless system
- Others now recognizing multiple placarding problem

Definitions

Class 2.3 - Gas poisonous by inhalation. A gas poisonous by inhalation is a gas at 20 degree C (68 degree F) or less and a pressure of 101.3 kPa (14.7 psia) and which (1) is known to be so toxic to humans as to pose a hazard to health during transportation; or (2) in the absence of adequate data on human toxicity, is presumed to be toxic to humans because when tested on laboratory animals it has an Lc50 value of not more than 5,000 mL/m3.

Definitions (Cont.)

Class 2.3 - Toxic Gases which consists of gases that (1) are known to be toxic or corrosive to humans according to CGA P-20, ISO Standard 10298 or other documentary evidence published in technical journals or government publications, or, (2) have an Lc50 value less than or equal to 5,000 mL/m3 .