What are Dangerous Goods

- Also referred to as “Hazardous Materials”, “Hazmat”, “DG’s”, “Restricted Articles”
- Definition (varies slightly by mode)
  - Any substance that presents a significant danger when transported…
- These “risks” are categorized into Hazard Classes
  - Hazard classes may vary slightly by mode, or country

Hazard Class Recognition

- CLASS 1 - EXPLOSIVES
  - Divisions 1.1 - 1.6
    - Examples: Cartridges for weapons, signal flares, safety fuses, dynamite, fireworks
- CLASS 2 - GASES
  - Division 2.1 Flammable gas
    - Examples: Butane, Hydrogen.

Hazard Class Recognition

- CLASS 2 - GASES
  - Division 2.2 Non-flammable gas
    - Examples: Liquefied nitrogen, helium
  - Division 2.3 Toxic gas
    - Examples: Aerosols of low toxicity and tear gas devices are some toxic
- CLASS 3 - FLAMMABLE LIQUIDS

Hazard Class Recognition

- CLASS 4
  - Division 4.1 Flammable solid
    - Examples: Matches, sulphur, Nitronaphthalene.

  - Division 4.2 Spontaneously Combustible
    - Examples: White or yellow phosphorus, magnesium diamide.

Hazard Class Recognition

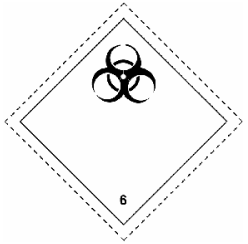
- Division 4.3 Dangerous When Wet
  - Examples: Calcium carbide, Sodium
- CLASS 5 - OXIDIZING SUBSTANCES and ORGANIC PEROXIDES

- Division 5.1 Oxidizer
  - Examples: Ammonium nitrate fertilizer, pool chlorine
- Division 5.2 Organic Peroxides
  - Examples: tert-Butyl hydrogen peroxide
    MEK peroxide

Hazard Class Recognition

- CLASS 6 - POISONOUS (TOXIC) SUBSTANCES and INFECTIOUS SUBSTANCES

  - Division 6.1 Toxic substances
    - Examples: Nicotine, cyanide, arsenic.
  - Division 6.2 Infectious substances
    - Examples: Diagnostic specimens, biological products
    - Note: Major Changes in the 6.2 Regulations 2003



Hazard Class Recognition

- CLASS 7 - RADIOACTIVE MATERIALS
  - Examples: Medicines, instruments.
- CLASS 8 - CORROSIVES
  - Examples: Battery acids, Mercury.

Hazard Class Recognition

- CLASS 9 - MISCELLANEOUS DANGEROUS GOODS
  - Examples: Dry ice, Cosmetics, life rafts, asbestos, magnetized materials, Consumer Commodities, other regulated substances, internal combustion engines, motor vehicles