

KEY:

GREEN - Currently allowed across the AB

BLUE - Requested to allow across the AB

RED - Not currently allowed nor requested to allow across the AB

Hazard Classes Defined

Hazard Class 1 – Explosives

This DOT hazard class is further divided into six divisions:

- 1.1 Explosives (with a mass explosion hazard) (e.g. dynamite and blasting explosives)
- 1.2 Explosives (with a projection hazard) (e.g. weapons cartridges and hand grenades)
- 1.3 Explosives (with predominately a fire hazard) (e.g. flash powder and commercial-grade fireworks)
- 1.4 Explosives (with no significant blast hazard) (e.g. model rocket motors and consumer-grade fireworks)
- 1.5 Very insensitive explosives; blasting agents (e.g. ammonium nitrate-fuel oil mixture and very insensitive explosive articles)
- 1.6 Extremely insensitive detonating substances (e.g. extremely insensitive explosive articles)

Hazard Class 2 – Gases

This hazard class is further broken down into three divisions:

- 2.1 Flammable gas (e.g. spray paint and lighters)
- 2.2 Non-flammable compressed gas (e.g. oxygen generators and shock absorbers)
- 2.3 Poisonous gas (e.g. Chlorine Gas and Phosgene Gas)

Hazard Class 3 – Flammable Liquids

Examples of common flammable liquids include perfumes and paint

Hazard Class 4 – Flammable Solids

This hazard class includes three divisions of hazardous materials:

- 4.1 Flammable solid (e.g. match sticks and desensitized solid explosives)
- 4.2 Spontaneously combustible material (e.g. Aluminum borohydride, oily rags)
- 4.3 Dangerous when wet material (e.g. Barium and lithium metal)

Hazard Class 5 – Oxidizing Substance and Organic Peroxide

This hazard class is comprised of two divisions of hazardous materials:

5.1 Oxidizer (e.g. hydrogen peroxide and calcium chlorate)

5.2 Organic Peroxide (e.g. Ammonium nitrate fertilizers and hardeners or accelerators)

Hazard Class 6 – Poisonous/Toxic and Infectious Substance

This DOT hazard class contains two divisions of hazardous materials:

6.1 Poisonous/Toxic material (e.g. nicotine and arsenic)

6.2 Infectious substance (e.g. Covid19 test samples and regulated medical waste)

Hazard Class 7 – Radioactive Material

Examples of radioactive substances include exit signs containing tritium and nuclear fuels

Hazard Class 8 – Corrosive Material

Examples of this DOT hazard class include corrosive materials are lead acid batteries and degreasers

Hazard Class 9 – Miscellaneous Hazardous Material

Examples include airbag modules, lithium batteries and substances that pose environmental hazards

Source: Hazmat University Bureau of Dangerous Goods, LTD.

“DOT Hazard Class: Reviewing The 9 Hazard Classes; < https://www.hazmatuniversity.com/news/dot-hazard-class-reviewing-the-9-hazard-classes/#Hazard_Class_8_-_Corrosive_Material>