

Dangerous Goods



Class 8: Corrosive substances

Risks















Which cargoes fall under this Class?

Label	Class 8	Examples
CORROSIVE SUBSTANCES 8	Corrosive substances that chemically damage living tissue and metals. They include acids, alkalis and bases. If mixed with other substances, or exposed to significant deviations in temperature, they can produce heat and gases and react violently.	1. Acids. Sulfuric acid, Hydrochloric acid, Oleum (fuming sulfuric acid), Nitric acid, Hydroflouric acid. 2. Alkali's Caustic potash (Potassium hydroxide), Caustic soda (Sodium hydroxide), Amonia anhydrous, some drain cleaners, some bleaches.

Classification of Class 8 cargoes is further influenced by chemistry (organic or inorganic) and state (liquid or solid).

The table here highlights key takeaways for Class 8 cargoes.

Packing

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DON'T...

- Recognise that the choice of packaging is important because different corrosives react with different materials
- Use only approved packaging or containers for Class 8
- Ensure spill management equipment is close by during packing
- Use damaged packaging or containers
- Refill containers without cleaning in line with industry standards
- Overfill containers

Storing

DON'T...

• Store in well-ventilated and, where required, temperaturecontrolled storage facilities

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- Store close to ground to minimise effects of leaks or spills
- Store with labels forward, heavy cargoes at bottom and correct orientation (arrows up)
- Inspect cargoes regularly to ensure condition remains stable and safe
- Ensure all employees are trained in emergency response procedures
- Alert the dangerous goods competent person immediately if any problems, such as a suspected leak

- Store near to stairways and emergency exits
- Store near to sources of heat, such as a radiator
- Store near to sources of ignition, such as electrical equipment
- Move cargoes unnecessarily in the storage facility
- Store near other cargoes that may react with it
- Store old or uncollected cargoes, which can become more unstable over time

Transporting

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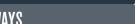
DON'T...

- Ensure all relevant transport risk assessments are up
- Ensure all staff involved in transport have the relevant dangerous goods awareness training
- Contact the DG competent person if you have any questions or queries about transport
- Pack cargoes securely to avoid movement during transport
- Familiarise yourself with and adhere to the relevant chapters of the CTU Code

 Assume segregation requirements for all transport modes are the same

Remember

ALWAYS...



- Follow the manufacturer's instructions
- Communicate clearly with the entire supply chain
- Maintain a documented emergency response plan that is regularly tested and, ideally, developed in collaboration with the cargo manufacturer

NEVER...

- Expose Class 8 cargoes to temperature and deviations, particularly if air freight
- Expose Class 8 cargoes to moisture and water
- Throw, drop, roll, slide or drag Class 8 cargoes at any point in the supply chain
- Ignore abandoned cargo it must be safely removed and disposed of



