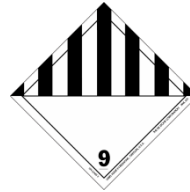


ASBESTOS – TRANSPORTATION



ASBESTOS, AMPHIBOLE 2212 (amosite, tremolite, actinolite, anthophyllite, crocidolite)

Packing Group II

Special Provisions

168 Asbestos which is immersed or fixed in an natural or artificial binder (such as cements, plastics, asphalt, resins or mineral ore) in such a way that no escape of hazardous quantities of respirable asbestos fibres can occur during carriage is not subject to the requirements of ADR. Manufactured articles contacting asbestos and not meeting this provision are nevertheless not subject to the requirements of ADR when packed so that no escape of hazardous quantities of respirable asbestos fibre can occur during carriage.

274 3.1.2.8 of ADR applies. The Technical Name must be included on the dangerous goods note;

UN 2212, WASTE BLUE ASBESTOS (Crocidolite), 9, II, (E)

ADR 2017 5.4.1.1.3 The PSN (Proper Shipping Name) must be preceded with word 'WASTE'

542 Talc containing tremolite and / or actinolite is covered by this entry

Bulk Transportation not permitted.

Loading and unloading procedures

CV1 Following operations prohibited:

- Loading or unloading goods on a public place in a built-up area without special permission from the competent authorities
- Loading or unloading of goods in a public place elsewhere than in a built-up area without prior notice thereof having been given to the competent authorities unless these operations are urgently necessary for reasons of safety
- If for any reason, handling operations have to be carried out in a public place, then substances and articles of different kinds shall be separated according to the labels.

CV13 If any substances have leaked and spilled in a vehicle container, it may not be reused until after it has been thoroughly cleaned and, if necessary, disinfected or decontaminated. Any other goods and articles carried in the same vehicle shall be examined for possible contamination.

CV28 7.5.4 of ADR Applies. Precautions with respect to foodstuffs, other articles of consumption and animal feeds.

S19 If the total mass exceeds 5000kg shall be supervised in accordance with 8.4 of ADR 2017.

ASBESTOS, CHRYSOTILE 2590

Packing Group III

Special Provisions

168 Asbestos which is immersed or fixed in an natural or artificial binder (such as cements, plastics, asphalt, resins or mineral ore) in such a way that no escape of hazardous quantities of respirable asbestos fibres can occur during carriage is not subject to the requirements of ADR. Manufactured articles contacting asbestos and not meeting this provision are nevertheless not subject to the requirements of ADR when packed so that no escape of hazardous quantities of respirable asbestos fibre can occur during carriage.

542 Talc containing tremolite and / or actinolite is covered by this entry

Bulk Transportation not permitted.

Special Provisions Concerning Packages

V11 IBCs other than metal or rigid plastics IBCs shall be carried in closed or sheeted vehicles or closed or sheeted containers.

Loading and unloading procedures

CV13 If any substances have leaked and spilled in a vehicle container, it may not be reused until after it has been thoroughly cleaned and, if necessary, disinfected or decontaminated. Any other goods and articles carried in the same vehicle shall be examined for possible contamination.

CV28 7.5.4 of ADR Applies. Precautions with respect to foodstuffs, other articles of consumption and animal feeds.

Threshold Quantities

Transport category	UN Number	Threshold Quantity (kg)
2	UN 2212	333
3	UN 2590	1000

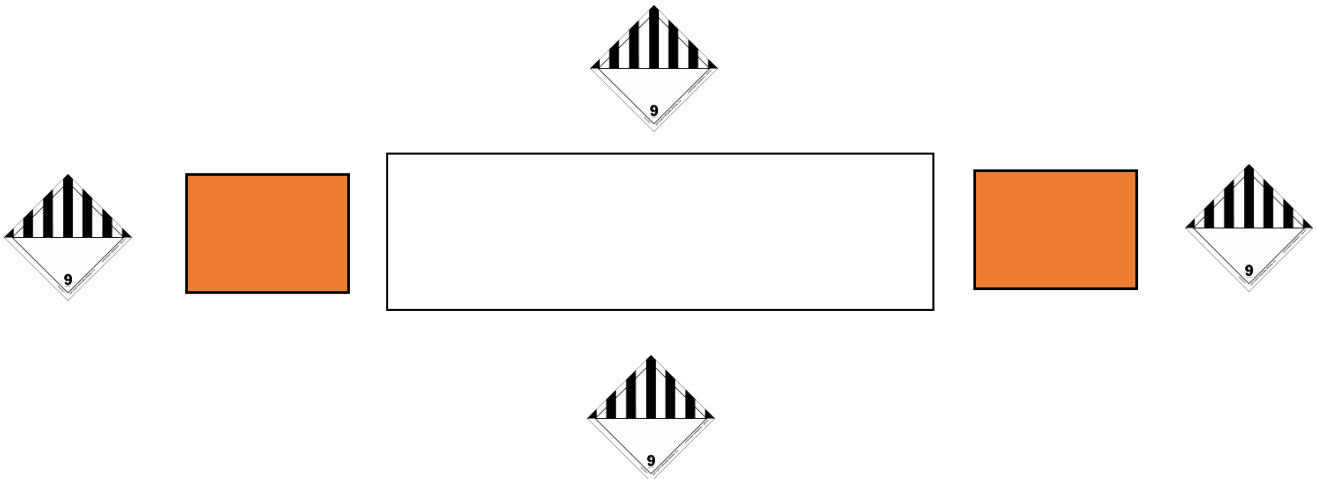
Vehicle Marking

Packaged goods vehicles must be marked in accordance with ADR chapter 5.3. Orange plates shall be 400 x 300mm in accordance with regulation 5.3.2.2.1 of ADR 2017.



For freight containers and skips, vehicles must be marked with blank orange-coloured plates at the front and rear of the vehicle and with Class 9 placards on both sides and at each end of the container or skip.

Marking a Container / Lockable Closed Skip



Vehicle Equipment

Fire Extinguishers.

In accordance with 8.1.4 of ADR Regulations 2017 a two fire extinguisher of at least a combined capacity of 4kg are required with a minimum 2kg for the cab and 2kg for tyres.

Vehicle (max permissible mass)	Minimum dry powder fire extinguisher provision
Up to 3.5 tonne	2kg for cab plus 2 kg
over 3.5 t and up to 7.5 tonne	2 kg for cab Total 8 kg (usually one 6 kg but other provision is acceptable as long as there is one 6 kg)
Over 7.5 tonne	2 kg for cab Total 12 kg (including at least one 6 kg)

ADR Equipment

In accordance with 8.1.5 of ADR Regulations 2017 each vehicle carrying dangerous goods must carry the following equipment:

- Wheel Chock suited to the maximum mass of the vehicle and to the diameter of the wheel
- Two self-standing warning signs (warning triangle/lights/cones)

- Eye-rinsing liquid¹
- Shovel²
- A drain seal²
- A collecting container²
- Fire Extinguishers (fixed and easily accessible)

and for each member of the vehicle crew;

- A warning vest (Hi-visibility vest) conforming to EN 471 standard
- Portable lighting apparatus - conforming to the provisions of 8.4.4 of ADR Regulations 2017
- A pair of protective gloves (suited to goods being carried)
- Eye protection (e.g. protective goggles/hard hat with visors)
- An emergency escape mask⁴

¹Not required for hazardous goods in classes 1, 1.4, 1.5, 1.6, 2.1, 2.2 and 2.3

²Only required for hazardous solids and liquids in classes 3, 4.1, 4.3, 8 or 9

³Only a 2kg dry powder extinguisher is required when carrying hazardous goods in class 6.2

⁴Only required for hazardous goods in classes 2.3 or 6.1. An example of a suitable escape mask is a combined gas/dust filter of the *A1B1E1K1-P1* or *A2B2E2K2-P2* type which is similar to that described in the *EN141* standard

Vehicle and Driver Documentation

ADR Driver Training Certificate/Card.

The driver must also carry an ADR Driver Training Certificate/Card for quantities carried in excess of the relevant threshold limit.

Instructions in Writing.

Instructions in writing (previously TREMcard/TEC) must be carried when asbestos is being transported in quantities over the threshold limit. The instructions in writing provide emergency information for the driver. ADR 2017 5.4.3

Dangerous Good Note

The DGN is a transport document that gives details about the contents of a consignment to carriers, receiving authorities and forwarders. ADR 2017 5.4.1

Waste Consignment Note (Hazardous Regulations 2005)

Correctly completed consignment note including the correct classification code (EWC).

Incidents

Regulation 1.8.5 ADR 2017 A Company Ltd has a legal responsibility to advise the Dangerous Goods Safety Adviser of any incident or accident involving the carriage, loading or unloading of dangerous goods.