



Shipping Dangerous Goods – Aerosols

DISCLAIMER: These materials are provided as guidance only to assist properly trained shippers. All shippers are responsible to ensure they are properly trained to ship dangerous goods. These materials do not alter, satisfy, or influence any regulatory requirements. The contents of these materials are subject to change and Purolator accepts no liability for loss or damage resulting from changes, errors, omissions, or misinterpretations of these materials.

Aerosols – UN1950

Aerosols are used in many consumer and industrial products including spray paints, automotive cleaners, air fresheners, hair spray, lubricating oils, pesticides, sunscreen and insect repellants. As aerosols are compressed gas, these products are dangerous goods and must be prepared according to the applicable regulations. The shipper must determine how to prepare the shipment based on the classification and transport mode.

Purolator accepts aerosols identified as either flammable (Class 2.1) or non-flammable (Class 2.2). Aerosols can also have a sub-risk classification indicating there are multiple dangerous goods classes for one product. Aerosols accepted by Purolator can have a sub-risk of Class 5.1, Class 6.1 or Class 8 or combinations of these. If a product has a sub-risk class, shippers must refer to the appropriate regulations to ensure compliance.







A common issue with aerosols is that packaging suitable for bulk quantities, such as pallet loads, is often inadequate for the conveyor systems and manual handling of courier operations. This can result in contents release or damage which can contaminate other packages or conveyor equipment. In particular, the plastic “caps” used to protect the spray valve can become dislodged during handling and cause a release of the contents. Purolator recommends that aerosols be **packed with sufficient fill material** to secure the inner containers and prevent any movement while in the package.

The following table provides a summary of the requirements for tendering aerosol shipments **with no sub-risk class** to Purolator for both air and ground transport.



Shipping Dangerous Goods – Aerosols

Aerosols – UN1950 (No sub-risk class)

	Fully Regulated	500 kg exemption	Limited Quantity
Safety marks on package	Orientation arrows	Orientation arrows	“Limited Quantity” or “Ltd. Qty.”
UN specification package	No	No	No
Hazard label Flammable Class 2.1 (no sub-risk)	Yes 	Yes 	Optional 
Hazard label Non-Flammable Class 2.2 (no sub-risk)	Yes 	Yes 	Optional 
Shippers’ declaration	Yes	No	No
Allowable for air transport	Yes	No	No ¹
Other requirements	<ul style="list-style-type: none"> • Fill material used to secure inner containers¹ • Air shipments must use air declaration 	<ul style="list-style-type: none"> • Fill material used to secure inner containers¹ • Max 30 kg per package 	<ul style="list-style-type: none"> • Fill material used to secure inner containers¹ • Inner container volume within TDG Schedule 1 limits • Max 30 kg per package
DG surcharge	Yes	Yes	No
Reference	Air: ICAO TI Ground: TDGR	TDGR Section 1.16	TDGR Section 1.17

¹ Purolator requirement/limitation