



EXPLOSIVE DANGEROUS GOODS REQUIREMENTS

REQUIREMENTS

1. The item(s) being procured has been identified by HFE International as an explosive dangerous good. Prior to the first shipment of parts, and/or when there is a change to the information provided, the Seller shall submit the information detailed herein directly to HFE International via email to Sales@hfeinternational.com or to the Buyer as directed by the purchase order. The HFE International part number and/or program name shall be included in the subject line of the email.

1.1. U.S. Department of Transportation (DOT) Hazardous Classification letter with EX number (EX number is used and issued by the DOT to identify an explosive which has been tested and classified per 49 CFR 171.8 and 49 CFR 173.56 regulations and may also be called a Competent Authority Approval (CAA) Letter, Classification of Explosives (COE), or EX letter); or equivalent U.S. Department of Defense (DOD) Hazard Classification letter with:

1.1.1. Chemical Composition by weight data;

1.1.2. Material Safety Data Sheet (MSDS) for material;

1.1.3. Net Explosive Weight (NEW) per part with unit of measure specified (grams, kilograms, or pounds);

1.1.4. The net weight of the article without any packaging (understood as “net quantity” in the dangerous goods regulations);

1.1.5. Hazard Classification Compatibility Code, as applicable;

1.1.6. Any other information required by DOT to transport explosives; and

1.1.7. For thermal batteries (in addition to the requirements stated above):

1.1.7.1. Identify the squib or pyrotechnic actuation mechanism by manufacturer and the part number, Net Explosive Weight (NEW), chemical composition, hazard classification and Ex letter/CAA letter.

1.1.7.2. Provide the flammable weight of the battery defined as:

1.1.7.2.1. The weight of heat pallets

1.1.7.2.2. The anode weight:



1.1.7.2.2.1. For lithium alloy anodes, use the total alloy weight of the anode; or

1.1.7.2.2.2. For lithium metal anodes, use the total lithium weight of the anode.

- 1.2.** In most cases, data for items with Chemical Composition by weight data and Net Explosive Weight (NEW) are included as a single Hazardous Classification letter from manufactures to the DOT or DOD to acquire a CAA letter for transportation of product. Seller shall send a copy of the Hazardous Classification letter to the HFE International Buyer.
- 1.3.** Explosive items require all the data listed above. If Seller considers any of the required information, “not applicable” for the product, Seller shall contact the HFE International Buyer for direction. Prior to shipment, Seller will need authorization from HFE International.
- 1.4.** Seller shall be trained and certified to ship explosive under US DOT Hazardous Materials Regulations (49 CFR).
- 1.5.** For air shipments of explosives, Seller shall be trained and certified under the International Air Transport Association (IATA) Dangerous Goods Regulations (DGR).

DATA SUBMISSION SUMMARY

- Seller to deliver the following data to HFE International for information as required by this document
 - DOT Hazardous Classification letter with EX number (CAA) Letter; COE or EX letter; or equivalent DOD Hazard Classification letter with all required information.
 - Prior to the first shipment of parts, and when there is a change to the information provided, the Seller shall submit the information detailed herein directly to HFE International via email to Sales@hfeinternational.com and to the HFE International Buyer, or as directed by the purchase order.

NOTES

This document is not controlled when printed. See HFE’s “Released Documents” folder on server for latest revision, or contact HFE International.



- The data requested in this Quality Note is required in order for HFE International to submit an Explosive Hazard Classification Data package, or equivalent, to either DOD or DOT in order to evaluate the hazards for transportation of those HFE International products and receive Competent Authority Approval with a hazard classification for them. HFE International also provides data for various safety assessments of our products and their components, which ultimately may be included in other required documents such as Demilitarization & Disposal and Emergency Ordinance Disposal.