

# **DANGEROUS GOODS BY AIR COMPLIANCE CHECKLIST**

Packaging, Labeling & Documentation Requirements

Prepared by Safe Fly Aviation

Website: [safefly.aero](http://safefly.aero)

INTRODUCTION



Transporting dangerous goods by air requires strict compliance with international aviation safety regulations to protect aircraft, passengers, crew, cargo handlers, and the environment.

This checklist provides a practical reference for operators, freight forwarders, shippers, cargo agents, and aviation professionals handling dangerous goods shipments by air.

The checklist is based on general industry practices aligned with:

- IATA Dangerous Goods Regulations (DGR)
- ICAO Technical Instructions (TI)
- Applicable airline and local regulatory requirements

## **1. SHIPPER VERIFICATION CHECKLIST**

General Information

- Shipper details verified
- Consignee details verified
- Emergency contact information available
- Dangerous goods properly identified
- Correct UN Number assigned
- Proper Shipping Name confirmed
- Hazard Class identified
- Packing Group verified (if applicable)

## **2. CLASSIFICATION CHECKLIST**

Dangerous Goods Classification

- Class 1 – Explosives properly declared
- Class 2 – Gases correctly identified
- Class 3 – Flammable liquids classified
- Class 4 – Flammable solids assessed
- Class 5 – Oxidizers/Organic peroxides verified
- Class 6 – Toxic/Infectious substances identified
- Class 7 – Radioactive material documentation checked
- Class 8 – Corrosives classified correctly
- Class 9 – Miscellaneous dangerous goods identified

## **3. PACKAGING COMPLIANCE CHECKLIST**

Packaging Requirements

- UN-approved packaging used
- Packaging free from visible damage
- Inner packaging secured properly
- Outer packaging structurally sound
- Packaging compatible with contents
- Closure systems properly secured
- Leak-proof requirements verified
- Pressure differential requirements met (if applicable)
- Absorbent material included where required
- Quantity limitations checked

Overpacks properly marked

#### 4. LABELING REQUIREMENTS CHECKLIST

##### Required Labels & Markings

- Correct hazard labels applied
- UN Number displayed clearly
- Proper Shipping Name marked
- Orientation arrows applied where required
- Cargo Aircraft Only label applied (if applicable)
- Lithium battery marks applied correctly
- Overpack markings visible
- Labels durable and legible
- Old or irrelevant labels removed

#### 5. DOCUMENTATION CHECKLIST

##### Dangerous Goods Documentation

- Shipper's Declaration completed accurately
- Air Waybill completed correctly
- Emergency response information available
- Quantity and packing instructions listed correctly
- Authorization approvals attached (if required)
- Signatures completed properly
- Documentation free from alterations/errors
- Required permits included
- Supporting SDS/MSDS available

#### 6. LITHIUM BATTERY COMPLIANCE CHECKLIST

##### Lithium Battery Shipments

- Battery type identified correctly
- Watt-hour rating verified
- State of charge requirements met
- Damaged/defective batteries prohibited
- Lithium battery handling labels applied
- Packaging prevents short circuits
- Terminals protected properly
- Quantity limitations verified

#### 7. ACCEPTANCE CHECKLIST FOR OPERATORS

##### Cargo Acceptance Procedures

- Package inspected for damage/leaks
- Labels and markings verified
- Documentation cross-checked
- Quantity limits confirmed
- Segregation requirements reviewed
- Incompatible materials separated
- Aircraft loading restrictions checked
- NOTOC prepared where required

#### 8. LOADING & STORAGE CHECKLIST

##### Cargo Handling & Aircraft Loading

- Dangerous goods secured properly
- Segregation maintained during loading

- Temperature-sensitive cargo monitored
- Packages protected from movement
- Emergency equipment accessible
- Crew informed of dangerous goods onboard
- Storage away from heat sources
- Radioactive separation distances maintained

## 9. PERSONNEL TRAINING CHECKLIST

### Training Requirements

- Personnel received dangerous goods training
- Training validity current
- Function-specific training completed
- Refresher training conducted
- Emergency response training provided
- Training records maintained
- Security awareness training completed

## 10. EMERGENCY RESPONSE CHECKLIST

### Incident Preparedness

- Emergency response procedures available
- Spill kits accessible
- PPE available for handlers
- Fire suppression equipment accessible
- Incident reporting procedures established
- Emergency contact numbers available
- Dangerous goods response guides accessible

## 11. COMMON NON-COMPLIANCE RISKS

### Frequently Identified Issues

- Incorrect UN Number
- Missing hazard labels
- Improper packaging
- Undeclared dangerous goods
- Incorrect documentation
- Damaged packaging
- Inadequate training
- Improper lithium battery handling

## 12. FINAL COMPLIANCE REVIEW

### Final Verification Before Acceptance

- Shipment fully inspected
- Packaging compliant
- Labels verified
- Documentation completed
- Quantity limits acceptable
- Airline approval obtained if required
- All regulatory requirements satisfied
- Shipment approved for transport

## IMPORTANT SAFETY NOTICE

Failure to comply with dangerous goods regulations may result in:

- Aircraft incidents or accidents
- Fire hazards
- Regulatory penalties
- Shipment rejection
- Criminal liability
- Serious injury or loss of life

Always follow current IATA DGR, ICAO Technical Instructions, airline requirements, and local regulations before transporting dangerous goods by air.

## DISCLAIMER

This checklist is intended for informational and educational purposes only and should not replace official regulatory publications, airline manuals, or certified dangerous goods training.

Always consult current:

- IATA Dangerous Goods Regulations (DGR)
- ICAO Technical Instructions
- Airline-specific operational manuals
- National aviation authority regulations

before preparing or accepting dangerous goods shipments.

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