

## Exemptions - Risk Assessment

Risk Assessment - Section A	
Name of Operator Transport DG	Test
Hazard Classification	Explosives
UN Number /s	UN 0042
Class / DIV	1.1 D
Proper Shipping Name	Booster
Packing Instruction	PI 132
Date of Flight - Departure	2019/04/01 / Or
Airport of Departure	JNB
Date of Flight Arrival	05-Apr-19
Airport of Arrival	LHR
Route	JNB-DXB-LHR
Hazard List (Cause or Threats)	Explosion on exposure to high Temp
Potential Outcome – Associated consequences	Improper handling may have a significant effect on safety and if Cargo is not Properly handled or exposed to high Temperatures may be a cause for an accident

Risk Rating		
Probability	1	
Severity	A	
Tolerability	Hazardous	
Risk assessment	Tolerable	
Mitigation (Proposed Mitigation)		
Proposed Mitigation	Responsible Person	
Ensure extreme caution is exercised when handling goods	Full Name	
Do not expose Cargo to Heat shock friction	Full Name	
No	Further Mitigation	Yes / No
1	Dangerous goods must be separated in accordance with separation requirements for Class 1 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air	
2	All Dangerous goods must be made accessible during the flight	
3	Carriage by air of the dangerous goods must be on a <b>Cargo Aircraft Only.</b>	
4	Only Trained dangerous goods personnel, in terms of ICAO Technical Instruction for the safe transport of Dangerous Goods by air (Table 1-4 / 1-5 / 1-6) must, process, accept, load and off load the dangerous goods	
5	Dangerous Goods being shipped must be packed in certified, valid UN Packaging.	
6	Suitable security measures must be in place to ensure the security of the dangerous goods from the consignor to the airport. Any elected service provider handling the consignment at the point of acceptance must ensure that the dangerous goods and the aircraft are physically guarded until the aircraft is airborne	
7	The operator must ensure they have adequate insurance to cover the flight.	

8	Ensure that written approval from States of Registry, Transit, Destination and Over-flight on the transport of the mentioned dangerous goods through or over their territories in accordance with Article 35 is obtained	
9	Ensure measures are taken to prevent build-up of electrostatic charge	
10	Keep away from fire, sparks and heated surfaces	
11	DO not expose to extreme temperatures	
12	All other conditions imposed by law for the transport of dangerous goods must be complied with.	
13	Ensure that the Airport approval has been obtained to ensure parking bay away from the public	
14	Ensure that emergency services and ATC of the airport of destination are aware of the flight and its cargo contents.	
15	Ensure that the shortest routing and time are considered to minimise exposure of cargo to general public.	
16	Ensure due consideration for weather en-route and airports of diversion.	

<b>Risk Probability</b>		
Extremely Improbable (Rare)	1	
Improbable (Seldom)	2	
Remote (Unlikely)	3	
Occasional	4	
Frequent	5	
<b>Severity of Occurrence</b>		
Negligible	E	
Incidents (Minor)	D	
Minor Injuries / Slight Damages	C	
Hazardous (Serious Injuries)	B	
Catastrophic (Destruction / Loss of Equip)	A	

Criteria	Risk Index	Suggested Criteria
	<b>5A,5B,5C,4A,3A</b>	Risk is Unacceptable
	<b>5D,5E,4C,4D,4E,3B, 3C,3D,2A,2B,2C</b>	Acceptable based on mitigation
	<b>3E,2D,2E,1A,1B,1C,1D,1E</b>	Risk is acceptable as it stands

Risk Probability		Severity				
		Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
Extremely Improbable (Rare)	1	1A	1B	1C	1D	1E
Improbable (Seldom)	2	2A	2B	2C	2D	2E
Remote (Unlikely)	3	3A	3B	3C	3D	3E
Occasional	4	4A	4B	4C	4D	4E
Frequent	5	5A	5B	5C	5D	5E