



ENER-SAVE SDN BHD.

HYDROCARBON APPLICATION RISK ASSESSMENT FORM

Client:			
Address:		Date:	
		PO. No.:	
Tel:			
Fax:		Doc. No:	
Project Name			
Location:		Refrigerant type/ weight:	
Equipment No.:		Room Size (m³):	
Type of Facility	Above ground / below ground		Please Tick (/) below
1. Category A - Hospitals, Prisons, Theatres, Schools, Supermarkets, Malls, Hotels, Dwellings			
~25% x LFL x Room Volume and not more than 1.5kg per sealed system			
~5kg per sealed system in special machinery room or in the open air			
2. Category B - Business or Professional Offices, Places for General Manufacturing and where people work, small shop, small restaurant			
~25% x LFL x Room Volume and not more than 2.5kg per sealed system			
~10kg per sealed system in special machinery room or in the open air			
3. Category C - Cold Room, Meatpacking, refineries, non-public area of malls, plant rooms, control room			
~25% x LFL x Room Volume and not more than 10kg per sealed system in human occupied spaces			
~25% x LFL x Room Volume and not more than 25kg per sealed system if High pressure side located in special machinery room or in the open air			
~No charge restriction if all refrigerant containing parts located in a special machinery room and in the open air			
Hydrocarbon Info:			
ENER-SAVE R290 – LFL = 0.038kg/m ³			
ENER-SAVE R600a – LFL = 0.043kg/m ³			
ENER-SAVE R1270 – LFL = 0.046kg/m ³			
Hydrocarbon Type Used:			
Hydrocarbon Weight charge, kg:			
Concentration of Hydrocarbon kg/m ³			
Required Emergency Ventilation and Hydrocarbon Sensor?			
Any Ignition source nearby?			
Electrical contacts being sealed or non-sparking?			
Can use Hydrocarbon in this Application?			
Other Comment:			
Prepared by (Certified/Trained HC personnel)		Acknowledged by (Client)	
Date:		Date:	

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