$$GHG_{HT,i} = \rho_i \times \left[\left(I_{D,i} - I_{F,i}\right) + \left(NC_{R,i} - NC_{N,i}\right) + \left(TF_{A,i} - TF_{T,i}\right)\right] \times 0.001$$

Where:

$GHG_{HT,i}$ = Annual greenhouse gas emissions attributable to the use of heat transfer fluid *i*, in metric tons;
i = Heat transfer fluid;
ρ_i = Density of heat transfer fluid *i*, in kilograms per litre;
$I_{D,i}$ = Quantity of heat transfer fluid *i* in inventory in containers at the beginning of the year, in litres;
$I_{F,i}$ = Quantity of heat transfer fluid *i* in inventory in containers at the end of the year, in litres;
$NC_{R,i}$ = Total nameplate capacity of equipment that uses heat transfer fluid *i* and that is removed from the facility during the year, in litres;
$NC_{N,i}$ = Total nameplate capacity of equipment that uses heat transfer fluid *i* and that is newly installed during the year, in litres;
$TF_{A,i}$ = Quantity of heat transfer fluid *i* acquired during the year, including amounts obtained from chemical suppliers and equipment suppliers and amounts of fluid returned to the facility after recycling, in litres;
$TF_{T,i}$ = Quantity of heat transfer fluid *i* transferred or sold during the year, including amounts returned to chemical suppliers, sent off-site for recycling or destroyed, in litres;
0.001 = Conversion factor, kilograms to metric tons.