

HEARING THERMOMETER

Safety at Evonik

- I will follow rules, use the right procedure and wear the correct personal protective equipment



Jet engine **140 Decibels**
IMMEDIATE DANGER

Damage Over 7 min.



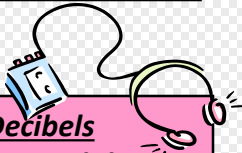
120 Decibels
Rock concert

Damage Over 30 min.



110 Decibels
Snow mobile

Damage Over 2 hours



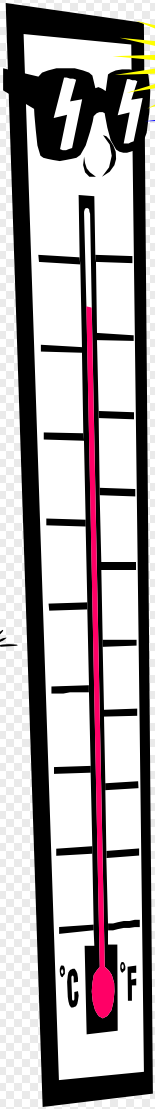
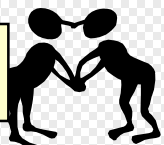
100 Decibels
Stereo Headphones



90 Decibels
Lawnmower,
Truck traffic

Damage Over 8 hours

Faint whisper
30 decibels



125 Decibels
PAIN threshold

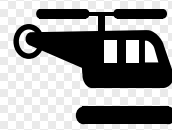
Damage Over 3 min.

115 Decibels
Jet Ski



Damage Over 15 min.

105 Decibels
Helicopter



Damage Over 1 hour

95 Decibels
Saw, motorcycle



Damage Over 4 hours

OSHA hearing conservation
Regulations 85 decibels



Hearing damage can occur when there is unprotected exposure on a constant and consistent time period. Just remember, for preventing hearing loss, the higher the noise then the shorter time period you can be exposed to it. Hearing protection with ear plugs is the best defense in preventing hearing loss.