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The product, HP-RAZOR offers several benefits compared to conventional acetylene and contemporary LPG-based cutting gases. A few of the major ones are listed below:

1. The additive is import substitute and environmentally benign
2. Faster pre-heating and piercing rates as compared to Acetylene
3. Faster cutting travel speed as compared to Acetylene
4. Faster heat transfer along with reduced slag formation as compared to Acetylene
5. Relatively less surface roughness implying smoother, cleaner and sharper cut as compared to Acetylene. It gives clean and narrow kerfs
6. Cheaper by about 27% than traditionally used acetylene
7. Enhanced safety due to its narrower flammability limit as compared to Acetylene and negligible risk of back-fire in the torch
8. No sooty flame and lower carbon formation. Hence low maintenance and long life of nozzles
9. Consumption can be easily measured by weighing the cylinder
10. Faster, easier cutting on rusty, greasy surfaces (as in scrap) as there is minimal chances of “popping” and backfire
11. Narrower Heat Affected Zone (HAZ) as compared to Acetylene
12. The additive is import substitute and environmentally benign
13. The additive does not contain any aromatics and is environmentally benign
14. As the additive formulation is completely soluble in LPG it provides much better catalytic performance compared to contemporary nanoparticle dispersion
15. Also unlike dispersions, precipitation and deposit formation is negligible, resulting in improved shelf life