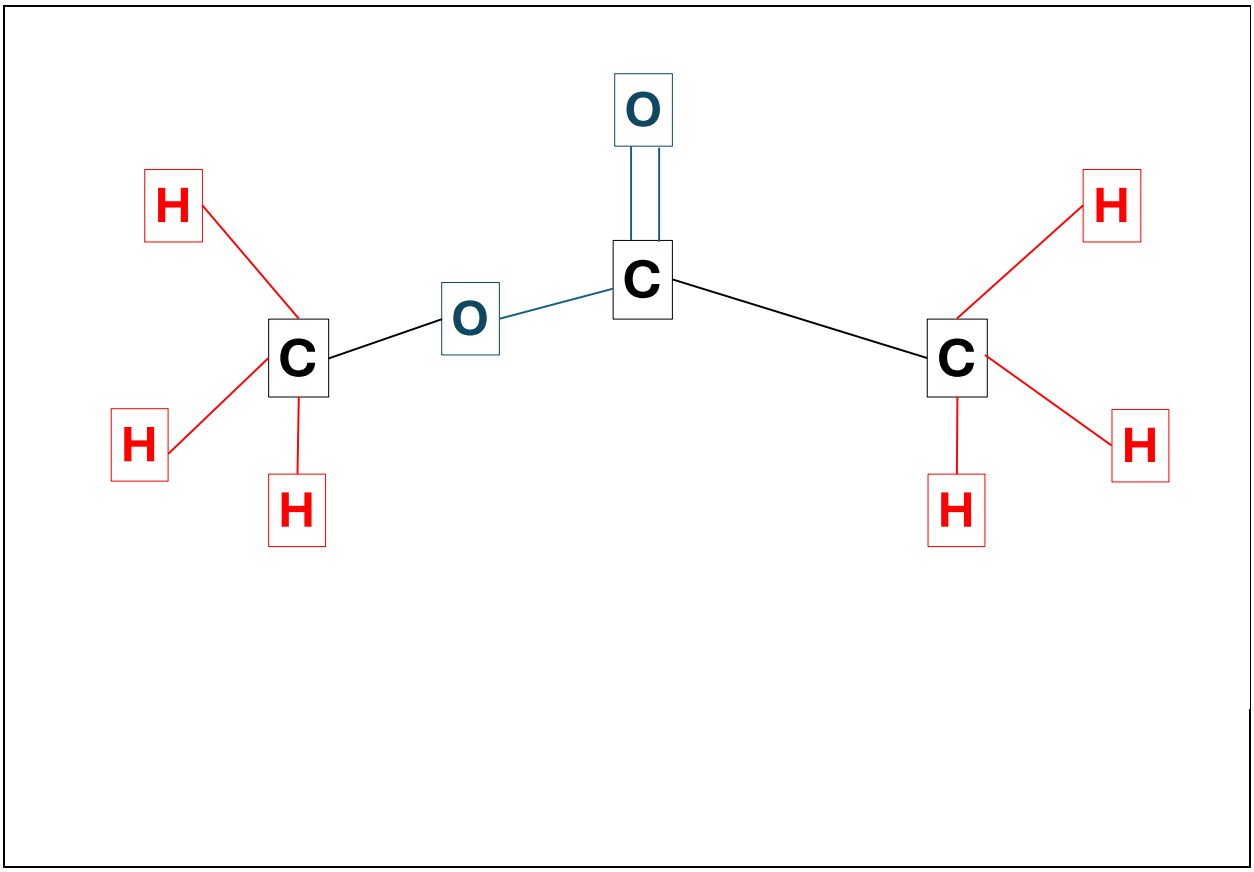
**Chemical of the Week – Part 2**

| Hazard Profile | |
|---|---|
| Chemical Name and Pseudonyms | Methyl Acetate, Methyl ester of acetic acid, Methyl ethanoate, Devoton, 79-20-9 |
| UN Number | 1231 |
| Chemical Formula | $C_3H_6O_2$ |
| Hazards | Flammable liquid, eye irritation |
| PPE Considerations | SFPC with SCBA |
| Fire Fighting Considerations | Carbon Dioxide, BC extinguisher, ATC AFFF |
| Decontamination | Blot, Hybrid, Soap/Water |
| Detection and Monitoring | Colormetric, electrochemical sensor, spectroscopy, PID IP = 10.27 ev |
| **Chemical and Physical Properties** | |
| Physical State | Colorless liquid with fruity odor |
| Vapor Pressure | 173 mm/Hg |
| Boiling Point | ~135°F |
| Vapor Density | 2.8 |
| Specific Gravity | .98 |
| Miscibility | 25% |
| Flash Point | 9°F |
| LEL/UEL | 3.1% / 16% |
| Autoignition Temp | 851°F |
| pH | - |
| **Toxicity** | |
| IDLH/AEGL1/AEGL2/AEGL3 (10 MIN) | 3100 ppm/17 ppm/150 ppm/ 720 ppm |
| PEL/REL/STEL | 200 **/**-**/**250 |
| LD50 | 6,482 ppm (rat) |
| LC50 | - |
| Radioactive (Yes/No) | No |
| **Medical** | |
| Toxicological Considerations | Skin irritant, eye irritation, CNS depressant |
| Signs/Symptoms of Exposure | Eye irritation and skin irritation, chest tightness, CNS depression |
| Medical Treatment | Fresh air and treat symptomatically |
| **Other Information** | |
| Incompatible with nitrates, some oxidizers, alkalis, acids. Forms acetic acid and methanol in contact with water (slowly) | |
| **Chemical Structure** | |
| | |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