

```
P = rct(40, k) * xnew(MALO2) * xnew(NO) &  
+ rcphot(IDCH3O2H, k) * xnew(MALO2H) &  
+ rcemis(GLYOX, k)
```

```
L = rct(48, k) * xnew(OH) &  
+ rcphot(IDCHOCHO_2CO, k) &  
+ rcphot(IDCHOCHO_HCHO, k) &  
+ rcphot(IDCHOCHO_2CHO, k)
```

```
xnew(GLYOX) = (xold(GLYOX) + dt2 * P) / (1.0 + dt2 * L)
```