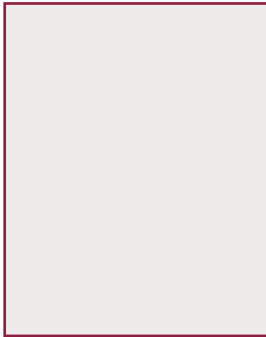


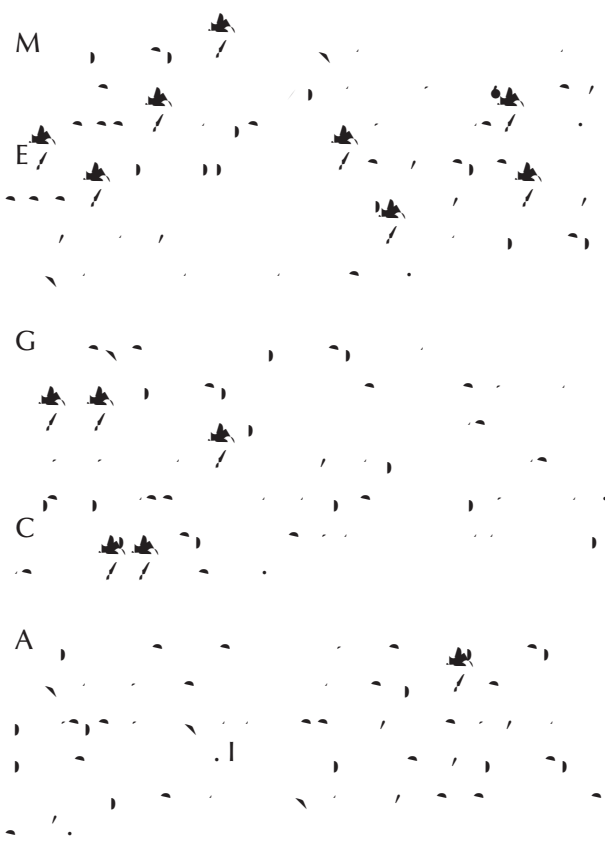
W E E N K  
A H C GHS



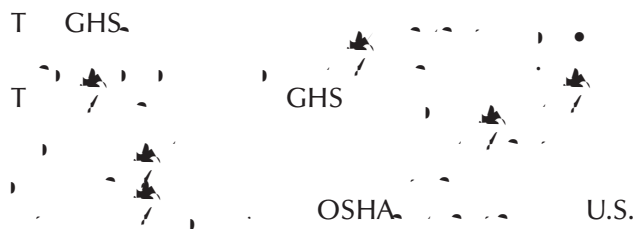
Robert A. Ernst

1111 88-1111





### GHS basics



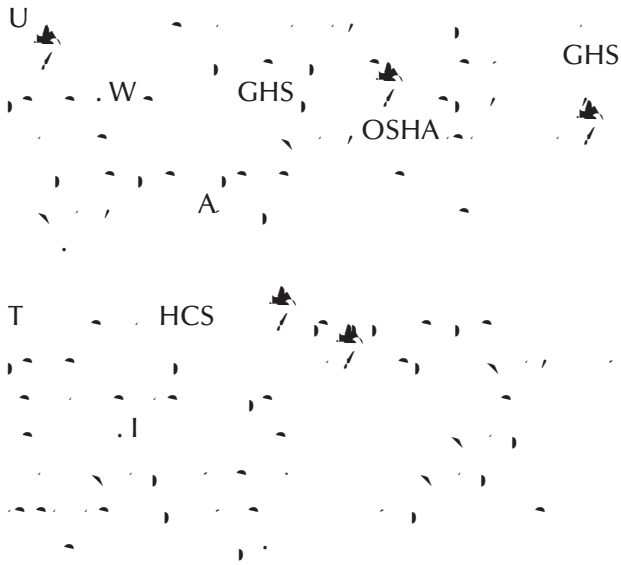
The Hn f scupt3S(6Ct.cs) ergnCt. pnersalmgt6S0al21738 MCuubli

### A global solution

T U N  
 G ba Ha edS e fCa ca  
 a dLabe g fC e ca , GHS .T  
 GHS/

H  
 S  
 A  
 (SDS).

## Chemical hazard evaluation

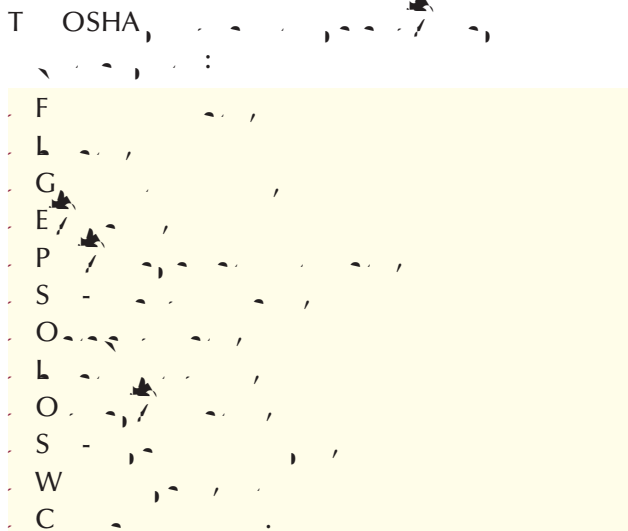


OSHA did not adopt the classification criteria for environmental hazards.

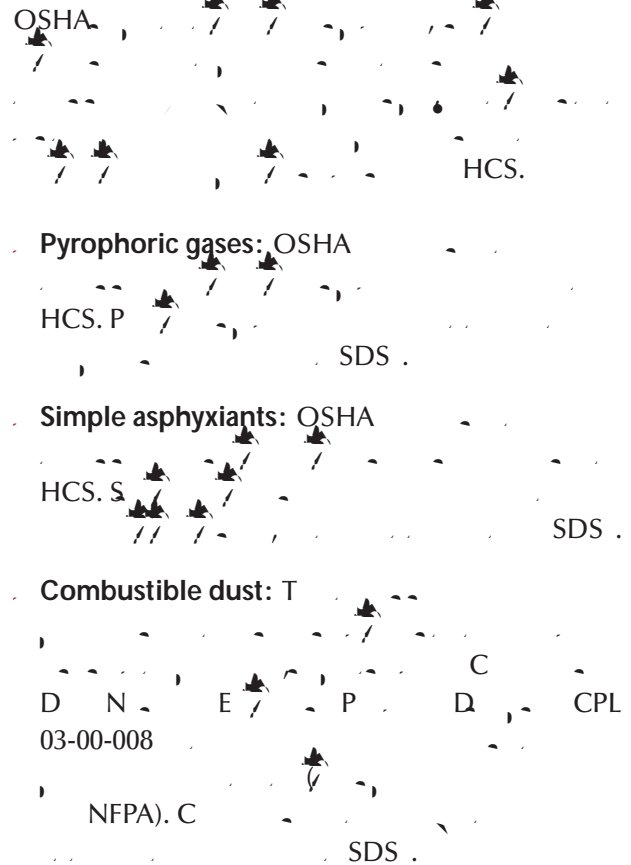
## Health hazards



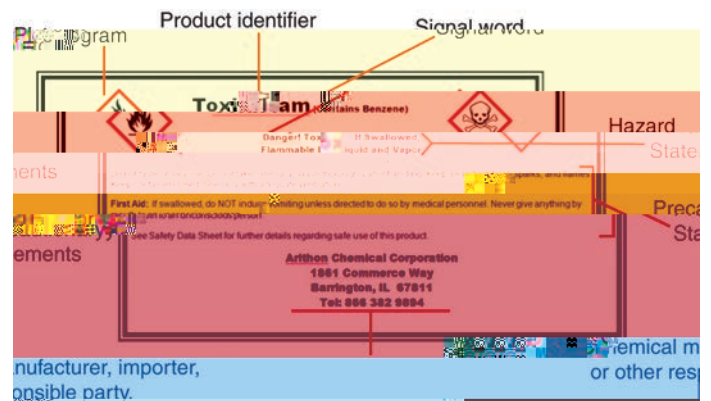
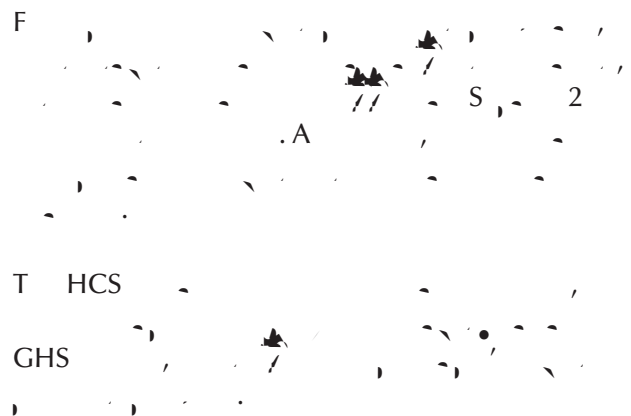
## Physical hazards



## Defined hazards



## Container labels



T : ;

P ;  
S ;  
H ( ) ;  
P ( ) ;  
P ( ) ;  
T ;

**Product identifier**

A ;  
T ;  
IUPAC, ISO,  
CAS. W  
UN M R T  
D G UN T  
T GHS

data sp̄r used yo0cie chemiBC 0S0 cs 1 scnJS0 cs 1 scn 0S1 gs T1\_

T GHS

### Supplier identification

### Workplace labels

(NFPA) HMIS A HMIS NFPA

- S 2. H ( )
- S 3. C
- S 4. E
- S 5. E
- S 6. A
- S 7. H
- S 8. E
- S 9. P
- S 10. S
- S 11. T
- S 12. E
- S 13. D
- S 14. T
- S 15. R
- S 16. O

Sections 12-15 may be included in the SDS, ployees y

T SDS S 12 15  
GHS, OSHA

T SDS ANSI  
U.S.

If an employer transfers hazardous chemicals from a labeled container to a portable container that is only intended for immediate use by the employee who performs the transfer, no labels are required for the portable container.

E S D S (SDS )

### Safety data sheets

T HCS  
SDS  
SDS  
S 1.1

### Training requirements

H C  
E  
E

R  
P

T  
H C  
H  
H GHS-  
S

OSHA  
E E  
I  
C

---

**OSHA allows employers to train on each individual chemical or train by grouping chemical hazards (such as flammables).**

---

H  
H  
T  
P

**Phase-in period**

T HCS  
2016, OSHA

**December 1, 2013**

A

(SDS)

**June 1, 2015**

C

**December 1, 2015**

D

**June 1, 2016**

E

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**During the transition period chemical manufacturers, importers, distributors and employers may comply with the former standard, the new standard, or both.**

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## About J. J. Keller & Associates, Inc.

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