

U.S. DEPARTMENT OF LABOR
BUREAU OF LABOR STANDARDS
WASHINGTON
20210

January 5, 1968

In Reply Refer to:
3-202

Executive Committee
Chemical Section
National Safety Council

Gentlemen:

It is the intention of the Office of Occupational Safety in the near future to require that businesses subject to our regulations ascertain the hazards to their personnel of material used in their establishments. Since it is rather obvious that the source of such information will be the manufacturers of the materials, it seems appropriate to ask the members of the Executive Committee, Chemical Section, for their reactions to the proposal.

The enclosed is a suggested form of data sheet and a suggested form of label for hazard identification. It is not our intention to make either one mandatory although it will be mandatory to have available the type of information indicated on the data sheet. We hope by this means, or something similar, to get it available on a single sheet. The basis for the hazard ratings shown on both the data sheet and the label are shown on the back of the data sheet.

It should be kept in mind that these are intended primarily to concern acute hazards, not effects of chronic exposures and that they are intended to provide essential information for strictly non-technical people.

We will appreciate any comments which you may care to make.

Sincerely yours,

/s/ F. A. Van Atta

F. A. VAN ATTA
Assistant Director
Research & Technical
Office of Occupational Safety

Enclosure

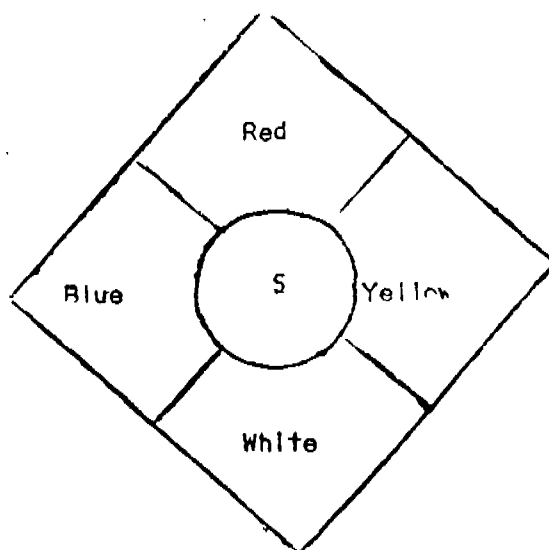
Copied by Manufacturing Chemists Association 1/17/68

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HAZARDOUS MATERIALS DATA

Identification				
Name		Synonym		
Class				
Physical Data	B.P.		Flash Point	
	V.P. (20° C)		Flammable Limits	
	Ev.R.			
	V.D. (air = 1)			
	Reid V.P.			
Hazard Rating				
Fire & Explosion		Toxic	Skin	Reactivity Physical State
Spills, Leakage & Emergency Data				
Fire & Explosion				
Extinguishing Media				
Personal Protection				
Health Hazards (Toxic & skin)				
Personal Protection		Signs of Acute Poisoning		
Ventilation		Signs of Acute Skin Effect		
Waste Disposal				
Reactivity				
Polymerization Rate				
Decomposition Products				
Chemical Class				



Fire Grades

- Grade 0 - Materials which are essentially non-combustible and considered to represent no fire hazard.
- Grade 1 - Closed Cup Flash Point above 140F.
- Grade 2 - Closed Cup Flash Point below 140F. and above 100F.
- Grade 3 - Closed Cup Flash Point below 100F. and boiling point under standard conditions above 100F.
- Grade 4 - Flash point below 100F. and boiling point below 100F.

Reactivity Grades

- Grade 0 - No appreciable self-reaction and chemically unreactive but may be attacked by Grade 4 materials.
- Grade 1 - Mildly reactive materials, reacting mostly with Grade 4 or capable of self-reaction at low rates and with low heat evolution.
- Grade 2 - Reactive with members of Grades 3 and 4 but not with Grades 0 and 1 or self-reactive if contaminated by an initiator. The self-reaction may be hazardous.
- Grade 3 - Are apt to react with each other with members of Grades 2 and 4, or undergo a hazardous self-reaction and require special handling to insure safety in transportation.
- Grade 4 - Chemicals which react with each other and with all other grades, including Grade 0 or which undergo self-oxidations with explosions or detonations.

Skin Grades

- Grade 0 - No appreciable damage to the skin.
- Grade 1 - Chemicals which, if spilled on the clothing and permitted to remain, will cause no more than smarting and reddening of the skin.
- Grade 2 - Chemicals which will cause smarting and first-degree burns with short skin exposure and second-degree burns with long skin exposure.

- Grade 3 - Moderately severe skin irritants causing pain and second-degree burns after relatively short contact.
- Grade 4 - Severe skin irritants causing second and third-degree burns on short contact and very injurious to the eyes.

Toxic Grades

- Grade 0 - No likelihood of producing injury.
- Grade 1 - Most chemicals having threshold limits above 500 ppm.
- Grade 2 - Chemicals having threshold limits of 100 to 500 ppm.
- Grade 3 - Moderately hazardous chemicals mostly with threshold limits between 10 and 100 ppm.
- Grade 4 - Severely hazardous chemicals having threshold limits below 10 ppm.