

Pesticide Labels & the New MSDS: Safety Data Sheets (SDS)

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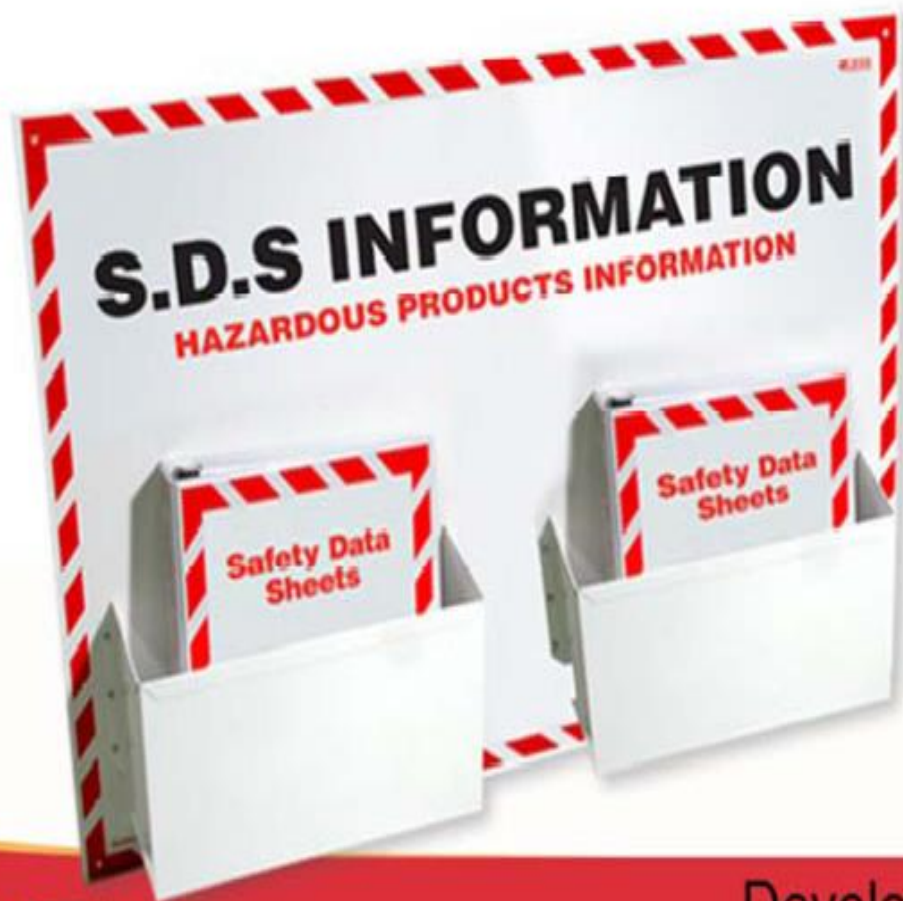
Pesticides Safety & Environmental Education



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Pesticide Labels & Safety Data Sheets



GHS

2012 the ***Occupational Health & Safety Administration*** (OSHA) finalized new rule:

- Aligned OSHA's ***Hazard Communication Standard*** with ***Globally Harmonized System of Classification and Labeling of Chemicals*** (referred to as "GHS") now used by most nations.



HCS Labels

OSHA has also updated the Hazard Communication Standard (HCS) labels on chemicals to match new GHS requirements (new icons, signal words, pictograms and more).



MSDS now SDS: Safety Data Sheets

OHSA's Material Safety Data Sheets (MSDS) are now GHS's Safety Data Sheets (SDS)

SDSs:

- Have standard formatted with information presented in the same order and same way
- More detailed information than MSDS
- Own set of icons, signal words and other standard ways of communicating hazards of chemicals

Labels vs SDS

EPA is not requiring pesticide labels to conform to SDS's GHS hazard communication.

As a result, signal words, safety requirements and other hazard communication on SDS's have different meaning than when found on a pesticide label.

Pesticide labels still used in place of the OSHA's HCS labels used on all other chemicals

Pesticide Applicators...

- 1. Must follow the pesticide label directions**
2. If also covered by OSHA, must also comply with OSHA workplace safety regulations, including those found on SDSs.
3. OSHA required employee training on the SDS's to be completed by December 1, 2013
4. OSHA requires change for all chemicals to new SDSs be completed by June 1, 2015.
5. Keep on file both old MSDS and new SDS - as they become available

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Issues for Pesticide Applicators

Signal Words

Pesticide Labels:

Danger/Poison - Danger – Warning – Caution

Level of acute toxicity

SDS:










- **Danger:** Chemicals with at least one hazard that is more serious
- **Warning:** Chemicals where are hazards are less serious
- **Different use & meaning than pesticide labels**

SDS

Pictogram

New and
different
hazard icons

Note red box

Health Hazard  <ul style="list-style-type: none">• Carcinogen• Mutagenicity• Reproductive Toxicity• Respiratory Sensitizer• Target Organ Toxicity• Aspiration Toxicity	Flame  <ul style="list-style-type: none">• Flammables• Pyrophorics• Self-Heating• Emits Flammable Gas• Self-Reactives• Organic Peroxides	Exclamation Mark  <ul style="list-style-type: none">• Irritant (skin and eye)• Skin Sensitizer• Acute Toxicity (harmful)• Narcotic Effects• Respiratory Tract Irritant• Hazardous to Ozone Layer (Non-Mandatory)
Gas Cylinder  <ul style="list-style-type: none">• Gases Under Pressure	Corrosion  <ul style="list-style-type: none">• Skin Corrosion/ Burns• Eye Damage• Corrosive to Metals	Exploding Bomb  <ul style="list-style-type: none">• Explosives• Self-Reactives• Organic Peroxides
Flame Over Circle  <ul style="list-style-type: none">• Oxidizers	Environment (Non-Mandatory)  <ul style="list-style-type: none">• Aquatic Toxicity	Skull and Crossbones  <ul style="list-style-type: none">• Acute Toxicity (fatal or toxic)

GHS

Long been in the works

Eventually, labels and SDS will align

Follow label directions, even when they differ from the new SDS.

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