

## Labeling Examples

Classifying and Labeling Pesticide Products

Deborah McCall, Chief  
Technical Review Branch / RD  
October 18, 2006

### Hazard Classes on Labeling ("Building Blocks")

HAZARD CLASS	GHS	OPP
Acute toxicity (lethality)	Yes	Yes
Skin corrosion / Irritation	Yes	Yes
Serious eye damage / Irritation	Yes	Yes
Respiratory or Skin sensitization	Yes	Skin only
Germ cell mutagenicity	Yes	No

### Hazard Classes on Labeling ("Building Blocks" cont'd)


HAZARD CLASS	GHS	OPP
Carcinogenicity	Yes	No
Reproductive toxicity	Yes	No
TOST / Single Exposure	Yes	Methanol, Others?
TOST/ Repeat exposure	Yes	No
Aquatic toxicity	Yes	Yes (acute only)

### Building Blocks in OPP White Paper

- Acute toxicity (lethality)
- Skin corrosion/irritation
- Severe eye damage/irritation
- Skin sensitization
- Acute aquatic toxicity
- Physical hazards (most commonly, flammability)


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### Current EPA Acute Toxicity Categories

Category / Signal Word	I Danger / Poison	II Warning	III Caution	IV Caution or No Signal Word
Oral LD <sub>50</sub> (mg/kg)	≤ 50	> 50 & ≤ 500	> 500 & ≤ 5000	> 5000
Symbol		None		



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### GHS Acute Toxicity Categories

Category / Signal Word	1 and 2 Danger / Poison	3 Danger	4 Warning	5 Warning
Oral LD <sub>50</sub> (mg/kg)	≤ 50	> 50 & ≤ 300	> 300 & ≤ 2000	> 2000 & ≤ 5000
Symbols			None	

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### Insectisample Label: Before and After GHS

	Values	OPP	GHS
Oral LD <sub>50</sub> (mg/kg)	290	Warning	Danger 
Dermal LD <sub>50</sub> (mg/kg)	5500	Caution	Not Classified
Inhalation LC <sub>50</sub> (mg/L)	1.5	Caution	Warning 
Eye	Clears ≤ 7 days	Caution	Warning
Skin	Mod. Irrit. @ 72 hrs	Caution	Warning

CURRENT OPP
GHS

## Insectisample® Liquid

Insecticide

For Agricultural or Commercial use Only

Not for use or storage in or around residential sites – see *Directions for Use/General Instructions* for prohibited areas.

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ACTIVE INGREDIENT: Hexasample.....50.0%


OTHER INGREDIENTS:.....50.0%

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EPA Reg No. XXXX-2006      EPA Est. No. XX-1018

**KEEP OUT OF REACH OF CHILDREN**

<b>Warning / AVISO</b> May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin or clothing.	<b>Danger / PELIGRO</b> Toxic if swallowed. Harmful if inhaled. Causes eye irritation. Causes mild skin irritation.
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### Herbisample Label: Before and After GHS

	Values	OPP	GHS
Oral LD <sub>50</sub> (mg/kg)	338	Warning	Warning 
Dermal LD <sub>50</sub> (mg/kg)	4000	Caution	Warning
Inhalation LC <sub>50</sub> (mg/L)	Tested up to 2.0 (no toxicity seen)	Caution	[Warning  or Not Classified]
Eye	Clears ≤ 7 days	Caution	Warning
Skin	Mod. Irrit. @ 72 hrs	Caution	Warning

CURRENT OPP
GHS

## Herbisample™ Smart

Herbicide

FOR CONTROL OF CERTAIN BROADLEAF WEEDS IN SMALL GRAINS

ACTIVE INGREDIENT: Ethyl Msample.....30.0%


OTHER INGREDIENTS:.....70.0%

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EPA Reg No. XXX-2007      EPA Est. No. XXX-1018

**KEEP OUT OF REACH OF CHILDREN**

<b>Warning / AVISO</b> May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin or clothing.	<b>Warning / AVISO</b> Harmful if swallowed. May be harmful in contact with skin. [Harmful if inhaled OR Maybe be harmful if inhaled.] Causes eye irritation. Causes mild skin irritation.
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FIFRA GHS:


NoBugs


Danger!

**Toxic if swallowed**  
**Causes serious eye irritation**  
**Causes skin irritation**  
**Flammable liquid and vapor**  
**Active/Inerts: Contains XYZ %**

Keep container tightly closed. Keep away from ignition sources such as heat/sparks/open flame. – No smoking. Use explosion-proof equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Do not eat, drink or use tobacco when using this product. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Take off contaminated clothing and wash before re-use. Store in cool/well-ventilated place. Store locked up.

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

EPA Est. No. 584G-AZ-1      Company name, Address, Phone number      EPA Reg. No. 3120-280