## How to Calculate the HAP and VOC content of a Multi-Part Coating

Use this fact sheet to help you determine the VOC and HAP content of a coating "as applied" when a reducer and/or a catalyst are being added to a paint to create the coating to be applied.

Name of Paint:	Density of Paint: Lbs/gal
Name of Reducer:	Density of Reducer: Lbs/gal
Name of Catalyst: (if applicable)	Density of Catalyst: Lbs/gal
Name of Other Component: (if applicable)	Density of Other Component : Lbs/gal

## 1. List all the hazardous air pollutants present in the coating components

	Name	_	Name
HAP 1		HAP 5	
HAP 2		HAP 6	
HAP 3		HAP 7	
HAP 4		HAP 8	

2. Complete the following fields for all parts of the coating mixture.

	VOC % by wt	Solids % by wt	HAP 1 % by wt	HAP 2 % by wt	HAP 3 % by wt	HAP 4 % by wt	HAP 5 % by wt	HAP 6 % by wt	HAP 7 % by wt	HAP 8 % by wt
Paint										
Reducer										
Catalyst										

3. Enter the Mix Ratio (i.e. in one gallon of the coating what percentage is paint, reducer, and/or catalyst)

Paint	Reducer	Catalyst	
%	%	%	%

## 4. Calculate Weighted VOC and HAP Contents in Coating (lbs/gal):

(Density of component) x ( % by wt/100) x (% mix ratio/100)

	VOC lbs/gal	Solids lbs/gal	HAP 1 lbs/gal	HAP 2 lbs/gal	HAP 3 lbs/gal	HAP 4 lbs/gal	HAP 5 lbs/gal	HAP 6 lbs/gal	HAP 7 lbs/gal	HAP 8 lbs/gal
Paint										
Reducer										
Catalyst										
TOTAL										

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S:\SBA\PUBLICATIONS\Clean Air\PTE\calculation					
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emplates\Normal.dot					
How to Calculate the VOC content of a Multi-Part Coating					
Mich Dept of Environmental Quality					
3/8/2005 1:22 PM					
2					
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1 Minute					
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Printing					
2					
: 213 (approx.)					
cters: 1,220 (approx.)					