

INSTRUCTIONS FOR TABLE 5.1

NON-CANCER TOXICITY DATA - ORAL/DERMAL

<p>PURPOSE OF THE TABLE:</p> <ul style="list-style-type: none"> To provide information on RfDs, target organs, and adjustment factors for chemicals To provide oral to dermal adjustment factors To verify references for non-cancer toxicity data. 	
<p>INFORMATION DOCUMENTED:</p> <ul style="list-style-type: none"> The RfDs for each of the COPCs, as well as modifying factors and oral to dermal adjustments The organ effects of each of the COPCs References for RfDs and organ effects. 	
<p>TABLE NUMBERING INSTRUCTIONS:</p> <ul style="list-style-type: none"> Complete one copy of this table only. Number it Table 5.1. The table should contain a row for each COPC considered. 	<p><i>If chronic and subchronic effects are listed for the same COPC, two rows will be required.</i></p>
<p>GENERAL NOTES/INSTRUCTIONS FOR THIS TABLE:</p> <ul style="list-style-type: none"> Table 5.1 does not replace the toxicological profiles for the individual chemicals that will be presented in the risk assessment. 	<p><i>It may be necessary to refer to RAGS, the risk assessment technical approach, and EPA Regional guidance to complete the table.</i></p>
<p>HOW TO COMPLETE/INTERPRET THE TABLE</p>	
<p>Column 1 - Chemical of Potential Concern</p>	
<p>Definition:</p> <ul style="list-style-type: none"> Chemicals that are potentially site-related, with data of sufficient quality, that have been retained for quantitative analysis as a result of the screening documented in Table 2. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the names of the chemicals that were selected as COPCs from Table 2. 	<p><i>Chemicals can be grouped in the order that the risk assessor prefers.</i></p>

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NON-CANCER TOXICITY DATA - ORAL/DERMAL (continued)

Column 2 - Chronic/Subchronic	
<p>Definition:</p> <ul style="list-style-type: none"> Identifies whether the RfD for a particular chemical is for chronic (long-term) and/or subchronic (short-term) exposure. 	<p><i>The risk assessor should use professional judgement when extrapolating to time-frames shorter or longer than those employed in any critical study referenced. As a Superfund program guideline, chronic is seven years to a lifetime; subchronic is two weeks to seven years (RAGS Part A, Sections 6 and 8).</i></p>
<p>Instructions:</p> <ul style="list-style-type: none"> Enter either “Chronic” or “Subchronic” in the field. Both values may be available for an individual COPC. Subchronic values may not be available or necessary for an individual COPC. If that is the case, enter only “Chronic” in Column 2. 	<p><i>Chronic Subchronic</i></p>
Column 3 - Oral RfD Value	
<p>Definition:</p> <ul style="list-style-type: none"> The oral RfD value for each of the COPCs. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the value for the chronic and/or subchronic oral RfD (as appropriate). 	
Column 4 - Oral RfD Units	
<p>Definition:</p> <ul style="list-style-type: none"> The oral RfD units for each COPC. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter units for each oral RfD as necessary. 	<p><i>Refer to Regional guidance to determine if there is a preference regarding the units to be used.</i></p>

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NON-CANCER TOXICITY DATA - ORAL/DERMAL (continued)

Column 5 - Oral to Dermal Adjustment Factor	
<p>Definition:</p> <ul style="list-style-type: none"> The adjustment factor used to convert oral RfD values to dermal RfD values. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the adjustment factor in this column. 	
Column 6 - Adjusted Dermal RfD	
<p>Definition:</p> <ul style="list-style-type: none"> The adjusted RfD for each COPC detected that is derived from the oral RfD. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the value that was derived from the adjustment factor in Column 5. 	<i>Derivations of the adjusted dermal RfD should be performed in accordance with Regional guidance.</i>
Column 7 - Units (for Adjusted Dermal RfD)	
<p>Definition:</p> <ul style="list-style-type: none"> The adjusted dermal RfD units for each COPC. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter units for each adjusted RfD as necessary. 	<i>Refer to Regional guidance to determine if there is a preference regarding the units to be used.</i>
Column 8 - Primary Target Organ	
<p>Definition:</p> <ul style="list-style-type: none"> The organ that is affected most (i.e., experiences critical effects) by chronic or subchronic exposure to the specific COPC, and upon which the RfD is based. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the name of the most affected organ or organ system in the column. 	<i>If there are two organs that are equally affected, enter the names of both, separated by a '/</i>

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Column 9 - Combined Uncertainty/Modifying Factors	
<p>Definition:</p> <ul style="list-style-type: none"> The factors applied to the critical effect level to account for areas of uncertainty inherent in extrapolation from available data. 	<p><i>Refer to IRIS/HEAST for these values. Examples of uncertainty to be addressed include:</i></p> <ul style="list-style-type: none"> <i>- variations in the general population</i> <i>- interspecies variability between humans and animals</i> <i>- use of subchronic data for chronic evaluation</i> <i>- extrapolation from LOAELs to NOAELs.</i>
<p>Instructions:</p> <ul style="list-style-type: none"> Enter number obtained from IRIS/HEAST. 	<p><i>Refer to IRIS/HEAST for these values.</i></p>
Column 10 - Sources of RfD/Target Organ (Information)	
<p>Definition:</p> <ul style="list-style-type: none"> The source of the RfD and target organ information. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the source of the RfD and target organ information. Use a colon to delineate between the two information sources if the sources of information are different for RfD and target organ. 	<p><i>IRIS HEAST NCEA</i></p>
Column 11 - Dates (MM/DD/YY)	
<p>Definition:</p> <ul style="list-style-type: none"> The date of the document that was consulted for the RfD information and the target organ information in MM/DD/YY format. 	<p><i>The MM/DD/YY format refers to month/day/year.</i></p>
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the date, in MM/DD/YY format, for both RfD and target organ information. Use a colon to delineate between the two dates, if the sources of information are different for RfD and target organ. <ul style="list-style-type: none"> <i>For IRIS references, provide the date IRIS was searched.</i> <i>For HEAST references, provide the date of the HEAST reference.</i> <i>For NCEA references, provide the date of the article provided by NCEA.</i> 	<p><i>For example, the MM/DD/YY version of the date March 30, 1995 is 03/30/95.</i></p>

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