

APPENDIX B

SCORING TOOLS

- **Preferable Product Data Sheets (7 pages):** *Vendors can use these data sheets to submit information on chemical products they want considered for use as an preferable product. The EP3 staff will review the information provided, request additional data or explanation when necessary, and determine a product's "preferability" based on the EP3 scoring system (see EP3 Criteria – Detailed Descriptions for more information).*
- **Preferable Product Score Sheet (1 page):** *The EP3 team uses the 1-page score sheet to summarize the details and notes on a chemical product's preferability scoring.*

Preferable Product Data Sheet

(Please complete a separate data sheet for each product.)

Vendors can use these data sheets to submit information on chemical products they would like considered for use. The City will review the information provided, request additional data or explanation when necessary, and determine a product's "preferability" based on the EP3 scoring system (see [EP3 Criteria – Detailed Descriptions](#) for more information).

Company: _____			
Contact Person: _____			
Address: _____			
Phone: _____		FAX: _____	E-Mail: _____
Product Name & Number: _____			
Intended Use (Circle all that apply):			
<u>Janitorial</u>	<u>Building Maintenance</u>	<u>Fleet Maintenance</u>	
Toilet Bowl Cleaner	Lubricant (Teflon/Moly/penetrants)	Brake Cleaner	
Glass Cleaner	Electric Contact Cleaner	Carburetor Cleaner	
Graffiti Remover	HVAC Coil Cleaner	Engine Degreaser	
Heavy Duty Degreaser	Sewer Drain Maintainer	Parts Washing Solution	
Metal Cleaner	Thread/Drill Lubricant	Battery Care	
Restroom Fixture Cleaner	Equipment Degreaser		
Urinal Screen			
<p>Please attach one copy of the MSDS, sample label, use instructions, training materials, and other information considered applicable. When determining scores based on responses, if data is not available or submitted, a score representing the worst case will be applied.</p> <p>The City wishes to use existing test data wherever possible. Therefore, equivalent health effect tests on humans or animals, FDA approved in vitro tests, or toxicological modeling may be considered.</p> <p>For additional information on each criteria, see the complete City document on product evaluation criteria at: www.sfgov.org/sfenvironment/aboutus/toxics/epp/criteria.htm</p>			
List all ingredients and all known hazardous constituents that are 1% or more by weight of the product. Identify the percentage by weight of each ingredient or contaminant.	<u>Ingredients</u>	<u>Percent</u>	Comments/Source (For City Use)

Preferable Product Data Sheet

EP3 Evaluation Criterion	Your Response	<i>Comments/Source (For City Use)</i>
<p>1. <u>Carcinogens, Mutagens, & Teratogens</u></p> <p>List any intentionally added ingredient or known contaminant of more than 0.1% by weight that is a known, probable, or possible human carcinogen, mutagen, or teratogen as listed in:</p> <ul style="list-style-type: none"> • California Safe Drinking Water And Toxic Enforcement Act (Prop 65) • NTP Carcinogens • IARC Carcinogens • OSHA Carcinogens 		
<p>2. <u>Neurotoxins & CNS Depressants</u></p> <p>List any intentionally added ingredient or known contaminant more than 1.0% by weight that is a known, probable, or possible human neurotoxins or Central Nervous System depressant listed by either EPA-IRIS or NIOSH.</p>		
<p>3. <u>Eye Irritation</u></p> <p>Eye irritation effects shall be determined by test methods specified by OPPTS 870.2400, as published in EPA 712-C-98-195, August 1998; where whole product data are unavailable, use the weighted average of eye irritation effect of each ingredient present above 1.0%.</p> <p>The City wishes to use existing test data wherever possible. Therefore, equivalent eye irritation data from Draize tests, FDA approved in vitro tests, or toxicological modeling may be considered in determining the eye irritation score.</p>	<p>Product has following level of eye irritation:</p> <p><u>Eye Irritation Categories</u> (Check One)</p> <p>IV – “Reddening” _____</p> <p>III – “Irritation” _____</p> <p>II – “Severe Irritation” _____</p> <p>I – “Corrosive Damage” _____</p> <p>Identify test method used:</p>	

Preferable Product Data Sheet

EP3 Evaluation Criterion	Your Response	<i>Comments/Source (For City Use)</i>
<p>4. <u>Skin Irritation</u></p> <p>Skin irritation effects shall be determined by test methods specified by OPPTS 870.2500, as published in EPA 712-C-98-196, August 1998; where whole product data are unavailable, use the weighted average of eye irritation effect of each ingredient present above 1.0%.</p> <p>The City wishes to use existing test data wherever possible. Therefore, equivalent skin irritation data from Draize tests, FDA approved in vitro tests, or toxicological modeling may be considered in determining the skin irritation score.</p>	<p>Product has following level of skin irritation:</p> <p><u>Skin Irritation Categories</u> (Check One)</p> <p>IV – “Reddening” _____</p> <p>III – “Irritation” _____</p> <p>II – “Severe Irritation” _____</p> <p>I – “Corrosive Damage” _____</p> <p>Identify test method used:</p>	
<p>5. <u>Skin Absorbtion</u></p> <p>Skin absorbtion shall be determined by test methods specified by OPPTS 870.7600 for Dermal Penetration studies, as published in EPA 712-C-98-350, August 1998.</p> <p>Designations of low, moderate, and high potential for skin absorbtion have been created for this project.</p>	<p>Product has following level of skin absorbtion (Check One):</p> <p>____ Products or individual ingredients for which less than 1% of the test dosage is absorbed shall be designated as having a 'low potential' for skin absorbtion.</p> <p>____ Products or individual ingredients for which 1% to 5% of the test dosage is absorbed shall be designated as having a 'moderate potential' for skin absorbtion.</p> <p>____ Products or individual ingredients for which more than 5% of the test dosage is absorbed shall be designated as having a 'high potential' for skin absorbtion.</p> <p>____ Skin absorbtion test data are not available.</p>	
<p>6. <u>Corrosivity</u></p> <p>Identify the pH of the product as a whole, or state that there is no pH.</p>	<p>____ = pH of the whole product in its concentrated form.</p> <p>____ = pH for the whole product when diluted for use.</p> <p>____ Product does not have a pH because _____.</p>	

Preferable Product Data Sheet

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<p>7. <u>Flammability</u></p> <p>As defined in OSHA Regulations (29 CFR) Hazard Communication – 1910.1200, "Flash Point" means the minimum temperature at which a liquid gives off a vapor in sufficient concentration to ignite.</p>	<p>The flash point of the whole product is:</p> <p>If whole product test data are unavailable, the lowest flashpoint for any individual ingredient present above 5.0% is:</p>	
<p>8. <u>Ozone Depleting Substances</u></p> <p>List any intentionally added ingredient or known contaminant of more than 1% by weight that is an ozone depleting substance, as defined in the 1990 Clean Air Act Amendment, i.e., any: Class I ODS; Class II ODS; or Alternatives listed as "unacceptable" under the US EPA Significant New Alternatives Policy (SNAP).</p>		
<p>9. <u>Endocrine Modifiers</u></p> <p>List any intentionally added ingredient or known contaminant of more than 1% by weight that is a known, probable, or possible endocrine modifier on this list:</p> <p>Preliminary List of Chemicals Associated With Endocrine System Effects (Illinois EPA, 2/97, with 4/98 Supplement)</p>		
<p>10. <u>Greenhouse Gas</u></p> <p>List any intentionally added ingredient or known contaminant of more than 1% by weight that is designated by the Kyoto Protocol of December 1997 as having a greenhouse impact.</p>		

Preferable Product Data Sheet

EP3 Evaluation Criterion	Your Response	<i>Comments/Source (For City Use)</i>
<p>11. <u>Biodegradability</u></p> <p>Does the product as a whole, and does each ingredient comprising 5% or more of the total, satisfy the Organization for Economic Cooperation and Development (OECD) definition of readily biodegradable?</p>	<p><input type="checkbox"/> Yes. The product and its ingredients are all readily biodegradable.</p> <p><input type="checkbox"/> No. The product or one or more of its ingredients are not readily biodegradable.</p> <p>Check the test method used:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><u>Test</u></p> <p><input type="checkbox"/> DOC Die-Away Test</p> <p><input type="checkbox"/> MITII Test</p> <p><input type="checkbox"/> Closed Bottle Test</p> <p><input type="checkbox"/> CO2 Evolution Test</p> <p><input type="checkbox"/> Mod. OECD Screen</p> <p><input type="checkbox"/> Manimetric Resp.</p> <p><input type="checkbox"/> Other Test (provide Details)</p> </div> <p><input type="checkbox"/> We do not have any biodegradability test results for either the product or its individual ingredients.</p>	
<p>12. <u>Volatile Organic Compounds</u></p> <p>What is the VOC content of the product as determined in accordance with California Air Resources Board Method 310?</p>	<p>VOC Content – Concentrate</p> <p><input type="text"/> lbs/gallon</p> <p><input type="text"/> Percent</p> <p>VOC Content – RTU</p> <p><input type="text"/> lbs/gallon</p> <p><input type="text"/> Percent</p>	
<p>13. <u>Fragrances</u></p> <p>Identify any ingredient comprising more than 0.1% by weight of the total product that is added as a fragrance for non-functional purposes or that is a SARA 313 hazardous material.</p>		
<p>14. <u>Dyes</u></p> <p>Identify any ingredient comprising more than 0.1% by weight of the total product that is added as a dye for non-functional purposes or that is a SARA 313 hazardous material.</p>		

Preferable Product Data Sheet

EP3 Evaluation Criterion	Your Response	<i>Comments/Source (For City Use)</i>
<p>15. <u>Concentrate</u></p> <p>Identify how much water the user is supposed to add in order to prepare the product.</p>	<p>Answer one of the following:</p> <p><input type="checkbox"/> No - Product is provided ready to use</p> <p><input type="checkbox"/> Yes - Water needs to be added.</p> <p>If water is to be added:</p> <p><u>Strongest/Heavy Duty Cleaning</u></p> <p><input type="checkbox"/> Ounces of product are to be added to one gallon of water.</p> <p><u>Mildest/Light Duty Cleaning</u></p> <p><input type="checkbox"/> Ounces of product are to be added to one gallon of water.</p>	
<p>16. <u>Aerosol Container</u></p> <p>Is the product available in a non-aerosol container?</p>	<p>Check one of the following:</p> <p><input type="checkbox"/> The product is only packaged in an aerosol container.</p> <p><input type="checkbox"/> The product is available in both aerosol and non-aerosol containers.</p> <p><input type="checkbox"/> The product is only packaged in a non-aerosol container.</p>	
<p>17. <u>Recycling</u></p>	<p>Check All That Apply:</p> <p><u>Product container</u></p> <p><input type="checkbox"/> May be refilled & reused by site.</p> <p><input type="checkbox"/> May be returned to supplier or other parties for reuse.</p> <p><input type="checkbox"/> Is made of a material that may be recycled in San Francisco, for example: Number 1 and 2 plastic bottles, metal cans, and glass containers.</p> <p><u>Shipping materials and packaging</u></p> <p><input type="checkbox"/> May be refilled & reused by site.</p> <p><input type="checkbox"/> May be returned to supplier or other parties for reuse.</p> <p><input type="checkbox"/> Is made of a material that may be recycled in San Francisco, for example: cardboard box and packing papers.</p> <p><input type="checkbox"/> Recycled content is less than requirements or not known</p>	

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18. <u>Recycled Content</u>	Answer both of the following: _____ Percent of the product container is made of post-consumer content. _____ Percent of the shipping package is made of post-consumer content. _____ Contents of container or packaging is not known	
<u>User Training</u> Describe the training program that your company provides to users of this product. Attach additional pages as needed.		
<u>Other Information</u> Please include any other information about this product or your company of which you wish the City and County of San Francisco to be aware.		

City of San Francisco EP3 Criteria

Chemical Product Score Sheet

Site:	Area:	Contact:	Date:
Product:		Amounts Used	
Use:		Size	Quantity
		Frequency	Purchase Cost
		Disposal Route	
MSDS No. & Date:		Supplier / Manufacturer:	
Recommendations:		NFPA:	HMIS:
		H: <input type="text"/>	H: <input type="text"/>
		F: <input type="text"/>	F: <input type="text"/>
		R: <input type="text"/>	R: <input type="text"/>
		S: <input type="text"/>	S: <input type="text"/>
Health and Safety Issues			
	Score	Possible	Preferences
1. Carcinogens / Mutagens / Teratogens		0 / 200	0.1% or less
2. Neurotoxins		0 / 100	1.0% or less
3. Eye Irritation		0 / 30 / 50 / 100	Mild or no effect
4. Skin Irritation		0 / 30 / 50 / 100	Mild or no effect
5. Exposure - Ease of Skin Absorption		0 / 25 / 50	1.0% or less
6. Corrosivity		0 / 50	2.5 < pH < 11.5
7. Flammability		0 / 20 / 30 / 50	Flashpoint > 200 °F
H&S Subtotal	0	H&S Failing Score >= 200 points	
Environmental Issues			
8. Ozone-Depleting Substances		0 / 100	1.0% or less
9. Endocrine Modifiers		0 / 50	1.0% or less
10. Greenhouse Gases		0 / 100	1.0% or less
11. Biodegradability / Food Chain Exposure		0 / 25	Readily biodegradable
12. Volatile Organic Compounds		0 / 15 / 100	Meet CARB 2004 Limits
13. Added Fragrances		0 / 25	0.1% or less
14. Added Dyes		0 / 25	0.1% or less
Environmental Subtotal	0	Enviro. Failing Score >= 100 points	
Packaging Issues			
15. Available as Concentrate		0 / 10	Shipped as concentrate
16. Available as Nonaerosol		0 / 15	Non-aerosol
17. Refill/Return/Recycle Container/Pkg		0 / 5 / 10	Refill/return, recycle OK
18. Recycled Content of Container/Pkg		0 / 5 / 10	25+% Post-consumer content
Packaging Subtotal	0	Packaging Failing Score >= 35 points	
Total	0		
General Comments			