CONSUMER PRODUCT SAFETY COMMISSION
DIV OF PROCUREMENT SERVICES
4330 EAST WEST HWY
ROOM 523
BETHESDA MD 20814

TOXICOLOGY EXCELLENCE FOR RISK ASSESSMENT
ATTN JACQUELINE PATTERSON
2300 MONTANA AVE SUITE 409
CINCINNATI OH 45211-3888

CONSUMER PRODUCT SAFETY COMMISSION
ROCKVILLE CAMPUS
5 RESEARCH PLACE
ROCKVILLE MD 20850

DUNS Number: [REDACTED]
Contracting Officer Representative:
Kristina Hatlelid
Kristina.hatlelid@cpsc.gov
301-987-2558

Task Order 0016 to contract number CPSC-D-12-0001 is hereby issued for risk assessment services. The contractor shall provide all necessary personnel, materials, and services for the performance period of September 11, 2015 through (Use Reverse and/or Attach Additional Sheets as Necessary).

SOLICITATION/CONTRACT ORDER FOR COMMERCIAL ITEMS
OFFER TO COMPLETE BLOCKS 13, 17, 23, 24, 6, 30

[Table with columns for Item Number, Schedule of Supplies/services, Quantity, Unit Price, and Amount]

25 ACCOUNTING AND APPROPRIATION DATA
[Details redacted]

29 AWARD OF CONTRACT
[Signature]

31a UNITED STATES OF AMERICA (NAME OF CONTRACTING OFFICER)

[Authorization for Local Reproduction]
September 10, 2016. All work shall be in accordance with the attached statement of work and contractor's revised quote dated August 6, 2015.

<table>
<thead>
<tr>
<th>Item No</th>
<th>Service Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>Risk Assessment Services</td>
<td>1</td>
<td>LO</td>
<td>208,973.00</td>
<td>208,973.00</td>
</tr>
</tbody>
</table>

The total amount of award: $208,973.00. The obligation for this award is shown in box 26.
Statement of Work  
(Contract# CPSC-D-12-0001 / Task Order 0016)  
Exposure Assessment: Potential for the Presence of Phthalates in Specified Materials at Concentrations Above 0.1 Percent

1. **Description of Services**

The contractor shall furnish all necessary personnel, materials, services, and facilities to perform the work set forth below.

The contractor shall conduct research regarding the production and use of specified materials with regards to the possibility of containing any of the specified phthalates in concentrations greater than 0.1 percent (1000 ppm). The specified materials are:

- Ethylene-butene copolymers;
- Ethylene copolymers;
- Ethylene-propylene monomer (EPM) and Ethylene-propylene-diene monomer (EPDM);
- Polystyrene (crystal and general-purpose (GPS)), medium-impact (MIPS), and super-high-impact (SHIPS) grades;
- Styrene-butadiene copolymers;
- Styrene-butadiene-styrene rubber (SBS), and styrene-butadiene rubber (SBR);
- Styrene-acrylonitrile copolymers (SAN);
- Polycarbonate;
- Acrylic resin;
- Butadiene-ethylene resins;
- Propylene-ethylene copolymers;
- Ionomers; and
- Silicone rubber.

The specified phthalates are listed in Table 1:

<table>
<thead>
<tr>
<th>Phthalate</th>
<th>Chemical Abstracts Service (CAS) Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEHP: di-(2-ethylhexyl) phthalate</td>
<td>117-81-7</td>
</tr>
<tr>
<td>DBP: dibutyl phthalate</td>
<td>84-74-2</td>
</tr>
<tr>
<td>BBP: benzyl butyl phthalate</td>
<td>85-68-7</td>
</tr>
<tr>
<td>DINP: diisononyl phthalate</td>
<td>28553-12-0, 68515-48-0</td>
</tr>
<tr>
<td>DIDP: diisodecyl phthalate</td>
<td>26761-40-0, 68515-49-1</td>
</tr>
<tr>
<td>DnOP: di-n-octyl phthalate</td>
<td>117-84-0</td>
</tr>
<tr>
<td>Compound</td>
<td>CAS Number</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------</td>
</tr>
<tr>
<td>DIBP: diisobutyl phthalate</td>
<td>84-69-5</td>
</tr>
<tr>
<td>DPENP: di-n-pentyl phthalate</td>
<td>131-18-0</td>
</tr>
<tr>
<td>DHEXP di-n-hexyl phthalate</td>
<td>84-75-3</td>
</tr>
<tr>
<td>DCHP dicyclohexyl phthalate</td>
<td>84-61-7</td>
</tr>
</tbody>
</table>

The contractor's investigation shall include the following factors:

- The constituents used in the production of the specified materials;
- The manufacturing processes used worldwide to produce the specified materials;
- Typical applications for the specified materials in consumer products, especially toys and child care articles;
- The potential use of recycled specified materials containing the specified phthalates in the production of the specified materials; and
- The potential for phthalate contamination during packaging, storage, use, or other factors.

Information about applications for the use of the specified materials in consumer products shall focus on circumstances where the specified material could contain any of the specified phthalates at concentrations greater than 0.1 percent. The research shall detail the specified material in which the specified phthalates are used, which phthalates are typically used, the reasons for including phthalates, and typical phthalate concentration ranges. If the specified phthalates are unlikely to be present in a specified material, the research shall detail the reasons why the phthalates are not present (e.g., incompatible chemical properties, no identified application for phthalates for the specified material, none of the specified phthalates are used because an alternative chemical is used).

The contractor shall prepare a project plan detailing the contractor's planned activities. The contractor shall meet with the U.S. Consumer Product Safety Commission (CPSC or Commission) staff by teleconference to discuss the plan prior to the commencement of the research. Any changes to the task list or project schedule shall be immediately communicated to the CPSC Contracting Officer Representative (COR) by email, with an updated task list and/or project schedule delivered within seven calendar days.

In addition, the contractor shall conduct a progress report meeting once per month with the COR and/or designated staff. The project tasks and schedule will be reviewed. Technical issues, questions and other matters may be discussed.

The contractor shall provide electronic copies of the report and a list of all references examined during the research. Copies of references cited shall be made available to the Contracting Officer in paper or electronic form at the completion of the task.

All documents delivered shall contain the following information:

1. Date;
2. Contract Number;
3. Contractor name; and

2. **Contract Type**

This is a firm fixed price task order with fully loaded hourly rates for the hours indicated in the schedule of services.

3. **Background**

Section 14 of the Consumer Product Safety Act (CPSA) requires third party testing of children's products for compliance to the applicable children's product safety rules. Section 108 of the Consumer Product Safety Improvement Act of 2008 (CPSIA) restricts the presence of six phthalates in children's toys and child care articles.¹ A children's toy is a consumer product designed or intended by the manufacturer for a child 12 years of age or younger for use by the child when the child plays. A child care article is a consumer product designed or intended by the manufacturer to facilitate sleep or the feeding of children age 3 and younger, or to help such children with sucking or teething. The six prohibited phthalates cannot be present in children's toys or child care articles in concentrations above 0.1 percent. The limit applies to DBP, BBP, and DEHP in all children's toys and child care articles products, and to DnOP, DINP and DIDP in mouthable toys, as well as child care articles. Additionally, CPSC's Chronic Hazard Advisory Panel (CHAP) released a report titled *Chronic Hazard Advisory Panel on Phthalates and Phthalate Alternatives.*² In that report, the CHAP recommends that DIBP, DNP, DHX, and DCHP be permanently banned from use in children's toys and child care articles at levels greater than 0.1 percent.

The Commission has determined that some materials do not, and will not, contain lead (Pb) in excess of 100 ppm. These materials are listed in 16 C.F.R. § 1500.91.³ Component parts made from these materials are not subject to third party testing for certification purposes.⁴

In a similar manner, it may be possible for the Commission to determine that some specified materials do not contain any of the specified phthalates at levels that exceed the concentration limit, and thus do not require third party testing to assure compliance with section 108 of the CPSIA. In 2009, CPSC staff published a statement of policy regarding the use of phthalates in some materials.⁵ Section C of that document listed materials that might not contain phthalates. While useful, the statement of policy does not include information showing that the specified phthalates cannot or will not be present in the materials at concentrations above 0.1 percent.

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³ [http://www.ecfr.gov/cgi-bin/text-idx?SID=gebf9d9d6fda42e50ecb72e8e725ace13dd&node=16:2.0.1.3.79.0.1.37&rgn=div8](http://www.ecfr.gov/cgi-bin/text-idx?SID=gebf9d9d6fda42e50ecb72e8e725ace13dd&node=16:2.0.1.3.79.0.1.37&rgn=div8)
⁴ Compliance to the lead content limit of 100 ppm is always required for accessible component parts of children's products, irrespective of any testing requirements.
⁵ [https://www.cpsc.gov/PlaceFiles/126588/componenttestingpolicy.pdf](https://www.cpsc.gov/PlaceFiles/126588/componenttestingpolicy.pdf)
4. **Objective**

Under this task order, CPSC staff plans to research the worldwide manufacture and applications of certain plastics and synthetic rubbers (the specified materials) used in toys and child care articles, and their potential to contain any of the specified phthalates in concentrations above 0.1 percent.

The objective of this task order is to acquire data to support Commission determinations regarding required third party testing.

5. **Period of Performance**


6. **Government Furnished Materials**

There are no government furnished materials.

7. **Deliverables or Performance**

The contractor shall provide the requested information in the form of a written report. The report shall be in the format of a scientific report with full citations and tables, as appropriate. The reviewer shall e-mail the report to the COR in a Microsoft Word file.

8. **Delivery Schedule**

The contractor shall provide the service or deliverable listed in Table 2 per the delivery or performance listed.

<table>
<thead>
<tr>
<th>Item(s)</th>
<th>Quantity</th>
<th>Delivery or Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Contractor and CPSC Contracting Officer’s Representative (COR) shall meet by teleconference to discuss and initiate the contractor’s project plan.</td>
<td>1</td>
<td>Within 14 calendar days of the period of performance start date.</td>
</tr>
<tr>
<td>The Contractor and CPSC COR shall meet by teleconference for status updates.</td>
<td>As appropriate</td>
<td>At least once per month after project initiation</td>
</tr>
<tr>
<td>The Contractor shall submit a draft final report to the CPSC COR.</td>
<td>1</td>
<td>Within 250 calendar days after the initial teleconference.</td>
</tr>
<tr>
<td>The CPSC COR will provide written comments on the draft final report to</td>
<td>1</td>
<td>Within 14 calendar days after receipt of the draft final report.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>The Contractor shall submit a final report to the CPSC COR.</td>
<td>The Contractor will revise the draft final report as appropriate.</td>
<td>Within 30 calendar days after receipt of comments.</td>
</tr>
<tr>
<td>Inspection and Acceptance</td>
<td>The Final report will be reviewed by the CPSC COR</td>
<td>Within 14 calendar days after receipt of the report</td>
</tr>
</tbody>
</table>

9. **Place of Delivery**

The contractor shall submit written materials by email to the COR, Dr. Kristina Hattlelid (khatlelid@cpsc.gov). If needed, the contractor may mail or send written materials by the deadlines to:

Kristina Hattlelid, Ph.D., M.P.H.
U.S. Consumer Product Safety Commission
5 Research Place
Rockville, MD 20850

Technical questions or clarifications about the documents should be directed to Dr. Kristina Hattlelid at 301-987-2558 or khatlelid@cpsc.gov.

10. **Inspection and Acceptance**

The Draft Final Report submitted to the CPSC will be reviewed within 14 days of receipt for any additional questions and/or comments. If returned to the contractor as a result of the review, the contractor shall address and/or revise their report accordingly and return the final version to the COR within 30 days of receipt. The CPSC COR will then have an additional 14 days to review the Final Report.

11. **Requirement for CPSC Clearance**

The final report is the property of the U.S. Consumer Product Safety Commission. The Contractor shall not publish the final report, present the information at scientific meetings, or in any other way make the findings public in any form without the written permission of the COR. Any publication must be cleared in accordance with the master contract clause LC 21A Disclosure of Information – Limits on Publication.