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7/22/16 to Procurement

HL 18 2016

ROUTE SLIP FOR CONTRACTS, AGREEMENTS, ORDINANCES AND MOUS FOR PURCHASING USE ONLY

Tracking#

Contract#

Actual BOC Date:

FOR USE BY THE USER DEPARTMENT

ORIGINAL

Department: Water Treatment Contact Name & Extension: Vernoy Murray - 7472
Project Title and Brief Summary: Contract for Polyblend Orthophosphate used for corrosion control
Term of Contract and/or Project: 12 months with option to renewal two (2) additional month periods
Vendor Name: Carus Corporation Contact: Barbie Smith, Bid Manager
Address/Phone#: 315 Fifth Street, Peru IL 61354 800-435-6856
Contract \$ Estimated cost 62,608 Funding Source and Account Number #: 505-4430-531100-44
Priority: NEXTBOCMTG / 30 / 60 / 90 (Choose One) Comments/Justify NEXTBOCKMTG:
Director/Elected Official Signature: [Signature] Date: 7/15/2016

FOR USE BY PURCHASING AND CONTRACTING DIVISION OF FINANCE

Date and Time Received: 7/22/16 Date and Time: 8/1/16
ITB RFP Agreement/Contract Change Order No GSA/SWC
Approved Sole Source Other (specify):
Projected BOC Meeting Date:
Comments/Notes: Bid # 16-19
Procurement Officer Signature: [Signature]

FOR USE BY THE DIRECTOR OR FINANCE

Unit cost contract

Date and Time Received: 8.1.16 Date and Time Out: 8.10.16
Funding Source: Water Fund Budget Amount: \$63,000
Finance Officer Signature: [Signature]

FOR USE BY COUNTY ATTORNEY

Date and Time Received: 8/1/16
Returned to Purchasing with comments Date and Time Out:
Comments:
Received from reroute (if applicable): Date and Time In:
Approved as to form and Returned to Purchasing Date and Time Out: 8/5/16
County Attorney Signature: [Signature]

FOR USE BY THE CHIEF OF STAFF

Date and Time Received: Date and Time Out:
Approved for Agenda Placement and Forwarded to County Clerk Agenda Date:
Comments/Notes:
Chief of Staff Signature:

2016-294



Rockdale County Board of Commissioners

Priority:
RUSH/30/60/90

Agenda Item Summary: Item

MEETING DATE:

Requesting Department
Rockdale Water Resources

Requested Action *(Identify appropriate Action or Motion, purpose, cost, timeframe, etc.)*
New Contract – Carus Corporation – Unit Price contract

Requirement for Board Action *(Cite specific Board policy, statute or code requirement)*

Is this Item Goal Related? *(If yes, describe how this action meets the specific Board of Commissioners Focus Area or Goal)*

Yes No

Summary & Background

(First sentence includes Department recommendation. Provide an executive summary of the action that gives an overview of the relevant details for the item.)

To provide Polyblend Orthophosphate used for corrosion control in water treatment process

Fiscal Impact / Funding Source

(Include projected cost, approved budget amount and account number, source of funds, and any future funding requirements.)

505-4430-531100-44

Exhibits Attached *(Provide copies of originals, number exhibits consecutively, and label all exhibits in the upper right corner.)*

Please see contract to provide incidental scope of services and unit cost

Source of Additional Information

(Type Name, Title, Department and Phone)

Department Head/Director's Approval

Chief of Staff
Approval

Typed Name and Title
Dwight Wicks / Director – RWR

Phone
770-278-7411

Signature

Date
7-21-2016

CHEMICAL SUPPLY AGREEMENT

This Agreement is made as of the _____ day of _____, 2016, between Carus Corporation, a Illinois corporation qualified to do business in the State of Georgia, ("Seller"), whose address is 315 Fifth Street, Peru, IL 61354, and Rockdale County, Georgia, a political subdivision of the State of Georgia, whose address is 962 Milstead Avenue, Conyers, Georgia 30012("Buyer").

1. Sale and Purchase

Seller hereby agrees to sell to Buyer, and Buyer hereby agrees to purchase from Seller, **Polyblend Orthophosphate**, (hereinafter "Product") for use at the Rockdale County Water Treatment Plant located at 3090 Gees Mill Road, Conyers, Georgia 30013 ("Designated Location").

2. Term and Termination

- 2.1 This Agreement shall be effective as of the date first set forth above. The term of this Agreement shall be for one (1) year ("Term"), from the date of this Agreement, unless and until terminated as provided below. This agreement has an option to renew two (2) additional 12-month terms.
- 2.2 Either party may terminate this Agreement with respect to each Product by giving no less than fifteen (15) days prior written to the other party.

3. Specifications

All Product delivered by Seller shall conform to the specifications set forth in the Attachment(s).

4. Delivery

- 4.1 Product shall be delivered by Seller F.O.B Destination.
- 4.2 Delivery must be received within seven (7) days of order guaranteed unless otherwise agreed to by the Buyer. Unless otherwise directed all deliveries can be made 24/7 to Rockdale Water Treatment Plant, 3090 Gees Mill Road. Conyers, Georgia 30012

5. Price and Charges for Product and Service(s)

- 5.1 All pricing is fixed through the term of this Agreement and shall be set forth in Seller's Bid, dated May 10, 2016, attached hereto and made a part hereof.

6. Invoicing and Payment

Seller may invoice Buyer for any applicable Unit Price and Surcharges as each delivery of Product is made, or monthly, at Seller's discretion. Invoices for the Monthly Charges and for other sum due hereunder, shall be submitted monthly. All payments due Seller hereunder shall be made to Seller at the location indicated on the invoice. All invoices shall be payable net 30 days. The timely payment by Buyer of all amounts due and owing to Seller hereunder, is an express condition to the continued performance by Seller of its obligations hereunder.

7. Warranty

Seller warrants that the Product shall conform to the specifications and express warranties set forth in the Attachment(s) and the time of delivery, Seller shall have good title and right to transfer the same and that the same shall be delivered free of encumbrances. THE FOREGOING WARRANTY IS THE SOLE WARRANT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN FACT OR BY LAW, INCLUDING, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ANY WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.

8. Indemnity

Each party hereby agrees to indemnify and hold harmless the other party from and form of action, lawsuit or claim brought by or on behalf of the indemnifying party's employees, agents or invitees and related in any way to Product or Equipment supplied by Seller under this Agreement. Each party expressly agrees that the obligation of indemnity under this Paragraph extends to an action, lawsuit or claim alleging negligence of the indemnitee.

9. Limitation of Liability

- 9.1 Buyer acknowledges that there are hazards associated with the use of the Product, that it understand such hazards, and that it is responsibility of Buyer to warn and protect its employees and others exposed to such hazard through Buyer's storage and use of the Product. Seller shall provide Buyer with copies of Material Safety Data Sheets relating to the Product for Buyer to make such warning, and Buyers shall hold harmless, indemnify and defend Seller from and against any liability incurred by Seller because such warnings were not made. Buyer assumes all risk and liability for loss, damages or injury to persons or to property of Buyer or others arising out of the presence or use of the Product.
- 9.2 No claim of any kind with respect to non-delivery of Product shall be greater than the Unit Price payable hereunder for the Product in respect to which such claim is made and Buyer's sole and exclusive remedy (except for the remedy of cancellation for material default) for delivery of nonconforming Product shall be replacement by Seller of a like quantity of conforming Product at no additional cost to Buyer.
- 9.3 Seller shall not be liable in contract or tort (including negligence and strict liability) for any other direct, or any direct, special, incidental or consequential damages arising out of its performance or non-performance hereunder.

10. Force Majeure

- 10.1 Neither party hereto shall be considered in default in the performance of its obligations hereunder (other than its obligation to make any payment of money hereunder), or be liable in damages or otherwise for any failure or delay or delay in performance which is due to strike, lockout, concerted act of workers or other industrial disturbance, fire, explosion, flood or other natural catastrophe, civil disturbance, riot or armed conflict whether declared or undeclared, curtailment, shortage, rationing or allocation or normal sources of supply of labor, materials, transportation, energy, or utilities, accident, act of God, delay of subcontractors or vendors, sufferance of or voluntary compliance with act of government and government regulations (whether or not valid), embargo, machinery or equipment breakdown, or any other cause whether similar or dissimilar to any of the causes or categories of cause describe above and which is beyond the reasonable control of the party claiming excuse hereunder.
- 10.2 Either party affected by an event described in Paragraph 17.1, shall, promptly up learning of such event and ascertaining that it has or will affect its performance hereunder, give notice to the other party, stating the nature of the event, its anticipated duration and any actions being taken to avoid or minimize it effect.
- 10.3 If any event within Paragraph 17.1 shall only partially reduce Seller's ability to produce or deliver Product, then Seller may prorate its available supply among Buyers and Seller's other customers in a fair and equitable manner.

11. Other Supply Source

- 11.1 If Seller is unable to supply any of Buyer's requirement for Product, Buyer may, with Seller's approval (which approval shall not be unreasonably withheld), purchase such requirements from other qualified vendors and have the same delivered into any storage equipment during such period of Seller's inability.

12. General Provisions

- 12.1 This Agreement is subject to acceptance by a duly authorized representative of Seller.
- 12.2 This instrument together with any terms and conditions of Seller's Attachments(s) hereto constitutes the entire agreement between the parties. No terms and conditions in any form of purchase order, order acknowledgment or other acceptance forms of Buyers issued with respect to this transaction shall alter the terms hereof any objection is hereby made to all such additional or different terms. Acceptance is expressly limited to the terms offered herein. No modification or waiver of this Agreement shall bind Seller unless in writing and signed and accepted a duly authorized representative of Seller.
- 12.3 Any dispute between the parties relating to this Agreement which cannot be resolved with reasonable promptness shall be referred to each party's senior manager in an effort to obtain prompt resolution. Neither party shall commence any action against the other until the expiration of 60 days from the date of referral to such senior managers; provided however, this shall not preclude a party from instituting an action seeking injunctive relief to prevent irreparable damage to such party.
- 12.4 If any provision of this Agreement is held invalid by any law and /or regulation, all other provisions hereof shall continue in full force and effect.
- 12.5 This Agreement shall be governed by and construed according to the laws of the State of Georgia without giving effect to its conflicts of laws provisions.
- 12.6 In the event of conflict between the terms of this Agreement and any of its Attachments, the terms of the Attachment shall govern.

Rockdale County, Georgia
Board of Commissioners

Carus Corporation

By: _____
Richard A. Oden, Chairman

By: _____

Name: _____

Title: _____

Attest:

By: _____
Jennifer Rutledge, County Clerk

Approved as to form:

By: _____
M.Qader A. Baig, County Attorney





CARUS PRODUCT WARRANTY STATEMENT

NO MATERIAL SHALL BE RETURNED WITHOUT PRIOR WRITTEN INSTRUCTIONS FROM CARUS CORPORATION, CUSTOMER SERVICE DEPARTMENT.

We hereby certify that these goods were produced in compliance with all applicable requirements of Section 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor under Section 14 thereof and to meet specifications.

Carus warrants that products delivered meets our standard specification for the material. If product is not compliant with our specifications, product will be replaced. It is the responsibility of the buyer to ensure that product storage and handling is in compliance with product specification sheets.

Barbie Anzell

CARUS WATER

Municipal Drinking Water

CARUS™ 8500 WATER TREATMENT CHEMICAL DATA SHEET



CARUS™ 8500 water treatment chemical is an effective corrosion inhibitor and sequesterant for use in potable and industrial water systems. The product is a liquid concentrate of exceptional purity, clarity, and stability utilizing a broad spectrum of phosphates for better sequestering and corrosion control.

BENEFITS OF CARUS 8500

- Inhibits corrosion of steel distribution system water lines, iron and galvanized piping, and lead and copper plumbing
- Decreases iron tuberculation to extend the life of the distribution system
- Inhibits lead and copper leaching resulting in lower lead and copper levels in the delivered potable water
- Minimizes the occurrence of microbial-influenced corrosion providing longer life system
- Controls iron and manganese minimizing rusty and dirty water in the system
- Reduces discoloration, staining, and mineral build-up resulting in fewer customer complaints
- Diminishes calcium scale deposits typically seen in hot water lines and heaters
- Saves money by reducing corrosion and scale; lowering chlorine demand and decreasing hydrant flushing, leaks and failures

PROPERTIES AND CERTIFICATIONS

Description: Clear homogenous liquid
Freezing Point: Do not Freeze
Specific Gravity: 1.35-1.41
pH (1% w:w): 5.7± 0.5
NSF Maximum Feed Rate: 18 mg/L
NSF/ANSI Standard 60, Kosher Approved



HANDLING AND STORAGE

CARUS 8500 water treatment chemical should be handled with care. Wear proper protective equipment including goggles, face shield, apron, respirator and proper gloves when handling this product.

Protect containers from physical damage. Store in a cool, dry area in closed containers. In case of accidental release: contain spill by collecting the liquid in a pit or holding behind a dam (sand or soil). Absorb with inert media and dispose of properly. Disposal of all materials shall be in full and strict compliance with federal, state, and local regulations. Consult the SDS for additional safety and handling information.

SHIPPING

CARUS 8500 water treatment chemical is generally considered to be safe and is not classified as hazardous according the US Department of Transportation, Canada TDG, UN, IMDG, or IATA regulations.

COMPATIBILITY INFORMATION

CARUS 8500 water treatment chemical can be stored in high-medium density polyethylene, cross-linked polyethylene, fiberglass reinforced plastic, 316 stainless steel, and glass/epoxy lined steel tanks. Piping materials may include schedule 80 PVC/CPVC piping, clear PVC, and white polyethylene tubing. Pump materials may include ceramic, Teflon, viton, hypalon and PVC liquid end pump materials.

Metering equipment can include diaphragm and peristaltic type metering pumps and other pumps meeting compatibility requirements.

It is not compatible with black iron, mild steel, galvanized metals, aluminum, zinc, copper, lead, brass, bronze, tin, and other base metals.

CARUS CORPORATION

ONE COMPANY. ENDLESS SOLUTIONS.

CORPORATE HEADQUARTERS | 315 Fifth Street, Peru IL 61354 | Tel + 1.815.223.1500 / 1-800-435-6956 | Fax + 1.815.224.6697 | Web: www.caruscorporation.com | E-Mail: salesmkt@caruscorporation.com
CARUS EUROPE | Parque Empresarial de ASIPO | C/Secundino Roces 3, Planta 1, Oficina 13-14 | 33428 Cayes, Llanera Spain | Tel +34.985.78.55.13 / Fax +34.985.78.55.10

The information contained herein is accurate to the best of our knowledge. However, data, safety standards and government regulations are subject to change and the conditions of handling, use or misuse of the product are beyond our control. Carus Corporation makes no warranty, either expressed or implied, including any warranties of merchantability and fitness for a particular purpose. Carus also disclaims all liability for reliance on the completeness or confirming accuracy of any information included herein. Users should satisfy themselves that they are aware of all current data relevant to their particular use(s).

Carus and Design is a registered service mark of Carus Corporation. CARUS™ is a trademark of Carus Corporation. Responsible Care® is a registered service mark of the American Chemistry Council.



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rev. 04/16
Form PH 15203

CARUS®





SHIPPING CONTAINERS

5-gallon (58-lb) Jerrican

Made of high density polyethylene (HDPE). Weighs 3.0 lb (1.36 kg).

The net weight is 58 lb (26.3 kg).

15-gallon (173-lb) Drum

Made of high density polyethylene (HDPE). Weighs 6.5 lb (3.0 kg).

The net weight is 173 lb (78.5 kg).

30-gallon (345-lb) Drum

Made of high density polyethylene (HDPE). Weighs 14 lb (6.35 kg).

The net weight is 345 lb (156.4 kg).

55-gallon (633-lb) Drum

Made of high density polyethylene (HDPE). Weighs 21 lb (9.5 kg).

The net weight is 633 lb (287.1 kg).

CARUS VALUE ADDED

LABORATORY SUPPORT

Carus Corporation has technical assistance available to answer questions, evaluate treatment alternatives, and perform laboratory testing. Our laboratory capabilities include: consulting, treatability studies, feasibility studies, and analytical services.

FIELD SERVICES

As an integral part of our technical support, Carus provides extensive on-site treatment assistance. We offer full application services, including technical expertise, supervision, testing, and feed equipment design and installation in order to accomplish a successful evaluation and/or application.

CARUS CORPORATION

During its more than 100-year history, Carus' ongoing emphasis on research and development, technical support, and customer service has enabled the company to become the world leader in permanganate, manganese, oxidation, and base-metal catalyst technologies.



SAFETY DATA SHEET

1. Identification

Product identifier CARUS™ 8500 Water Treatment Chemical

Other means of identification

SDS number -

Recommended use CARUS™ 8500 water treatment chemical is an effective corrosion inhibitor and sequesterant for use in potable and industrial water systems.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name CARUS CORPORATION

Address 315 Fifth Street,
Peru, IL 61354, USA

Telephone 815 223-1500 - All other non-emergency inquiries about the product should be directed to the company

E-mail salesmkt@caruscorporation.com

Website www.caruscorporation.com

Contact person Dr. Chithambarathanu Pillai

Emergency Telephone For Hazardous Materials [or Dangerous Goods] Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at CHEMTREC®, USA: 001 (800) 424-9300
CHEMTREC®, Mexico (Toll-Free - must be dialed from within country): 01-800-681-9531
CHEMTREC®, Other countries: 001 (703) 527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) Not classified.

3. Composition/information on ingredients

Mixtures

Composition comments The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling	Avoid inhalation and contact with skin and eyes. Wear appropriate personal protective equipment (See Section 8). Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	General ventilation normally adequate.
Individual protection measures, such as personal protective equipment	
Eye/face protection	If contact is likely, safety glasses with side shields are recommended.
Skin protection	
Hand protection	For prolonged or repeated skin contact use suitable protective gloves.
Other	Wear suitable protective clothing.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Colorless solution.
Physical state	Liquid.

Form	Liquid.
Color	Colorless.
Odor	None.
Odor threshold	Not available.
pH	5.7±0.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.38±0.03 at 25°C
Solubility(ies)	
Solubility (water)	Completely soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May cause discomfort if swallowed.
Inhalation	In high concentrations, vapors may be irritating to the respiratory system.
Skin contact	Prolonged or repeated skin contact may cause irritation.
Eye contact	May cause eye irritation on direct contact.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity	May cause discomfort if swallowed.
Skin corrosion/irritation	Prolonged contact may cause dryness of the skin.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization No data available.

Skin sensitization Not a skin sensitizer.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity No data available.

Specific target organ toxicity - single exposure No data available.

Specific target organ toxicity - repeated exposure No data available.

Aspiration hazard Not classified.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability The product is not expected to be readily biodegradable.

Bioaccumulative potential No data available for this product.

Mobility in soil Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This substance/mixture is not intended to be transported in bulk.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
 Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations**US. Massachusetts RTK - Substance List**

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 24-July-2014
Revision date -
Version # 01

HMIS® ratings

Health: 0
Flammability: 0
Physical hazard: 0

NFPA ratings**References**

HSDB® - Hazardous Substances Data Bank

Disclaimer

The information contained herein is accurate to the best of our knowledge. However, data, safety standards and government regulations are subject to change and, therefore, holders and users should satisfy themselves that they are aware of all current data and regulations relevant to their particular use of product. CARUS CORPORATION DISCLAIMS ALL LIABILITY FOR RELIANCE ON THE COMPLETENESS OR ACCURACY OR THE INFORMATION INCLUDED HEREIN. CARUS CORPORATION MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE OR PURPOSE OF THE PRODUCT DESCRIBED HEREIN. All conditions relating to storage, handling, and use of the product are beyond the control of Carus Corporation, and shall be the sole responsibility of the holder or user of the product.