



# CITY OF SACRAMENTO

PROCUREMENT SERVICES DIVISION

**Bid Number: B071181084**

**FILED**

**MAY 09 2007**

By The  
Office of The City Clerk

**INVITATION FOR BID**

**And**

**Contract Specifications**

**FOR: CRYSTALLINE SODIUM FLUORIDE**

***Bids Must Be Received Prior To 2:00 P.M. on May 9, 2007***

**Bids Must Be Submitted To:** City Clerk's Office  
915 "I" Street, First Floor  
Sacramento, CA 95814

Pre-Bid Conference: Not Applicable  
Mandatory:  Yes  
 No

**NAME AND ADDRESS OF BIDDER SUBMITTING THIS BID:**  
(Bidder to complete the following information)

Name of Bidder: DARRELL SWENSON

Address: 135 NEWBURY STREET

City, State, Zip Code: FRAMINGHAM, MA 01701

Phone Number: (508) 270-1844

Email Address: ds@aicma.com

BID

BID NO. B071181084  
FOR SERVICES/SUPPLIES: Crystalline Sodium Fluoride

To the City of Sacramento:

The undersigned bidder (hereafter referred to as the "bidder" or the "Contractor") submits the attached bid, and certifies as follows: that the only persons or parties interested in this bid as principals are those named herein as bidder; that this bid is made without collusion with any other person, firm, or corporation; that in submitting this bid the bidder has examined all of the Contract Documents identified below; that the bidder proposes and agrees that if this bid is accepted, the bidder will execute and fully perform the contract for which bids are called; that the bidder shall perform all the work and/or furnish all the materials specified in the Contract Documents, in the manner and time therein prescribed, and according to the requirements as therein set forth; and that the bidder shall take in full payment therefor, the prices set forth in the attached Pricing Schedule.

CONTRACT DOCUMENTS

Performance of and payment for the contract for which bids are called shall be subject to all terms and conditions of the Invitation for Bid, the Bid Instructions and Requirements, the Bid, the Pricing Schedule(s), the Items Requiring Bidder Response, the Required Submittals, the General Conditions, and any Addenda, Amendments, Special Provisions, Specifications, Plans or other requirements applicable to performance of the work and/or furnishing the materials specified herein. Such documents, referred to herein as the "Contract Documents," are fully incorporated herein by this reference and are collectively referred to as the "Contract". By submitting this Bid, the Contractor agrees to fully perform each and every provision of the Contract, provided that City awards the Contract to the Contractor, and provided further that City shall have no obligation hereunder unless and until such award is made. Contractor shall not make any changes to this form without City's written approval, and any changes made without such approval shall be void.

To Be Filled Out By Bidder

NAME OF CONTRACTOR: American International Chemical, Inc  
ADDRESS: 135 Newbury Street, Framingham, MA 01701  
PHONE #: (800) 238-0001 FAX #: (508) 872-1566  
STATE TAX I.D. #: SR204B30680644 FED. TAX I.D. #: 04-2504173  
City of Sacramento Business Operation Tax Certificate #: N/A  
(Contract award will not be processed if Certificate Number is missing)

TYPE OF BUSINESS ENTITY (check one):  Individual/Sole Proprietor  Partnership  
 Corporation  Limited Liability Company  
 Other (please specify: \_\_\_\_\_)

BY: (signature of authorized person) [Signature]  
PRINT NAME: DANIEL SWENSON  
TITLE: Product Manager

Note: All information submitted in or in connection with a bid is submitted under penalty of perjury. The City shall have the right to terminate at any time any contract awarded pursuant to a bid that contains false information.

**FOR CITY USE ONLY**

The Bid was opened on \_\_\_\_\_.

Bid Bond Required:  No;     Yes - Amount: \$\_\_\_\_\_

Received:  Cashiers or Certified Check drawn on a California bank;  Surety Bond

\_\_\_\_\_  
City Clerk/Procurement Services Manager

**CONTRACT AWARD**

Bid Items Included in the Contract: All Items, unless otherwise specified below

Specify: \_\_\_\_\_

Contract Not-to-Exceed Amount: \$\_\_\_\_\_

Award Date: \_\_\_\_\_

**CONTRACT APPROVAL**

Approved as to Form:

Approved:

Attest:

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
City Manager  
(Or Authorized Designee)

\_\_\_\_\_  
City Clerk

**PRICING SCHEDULES**

For furnishing to the City of Sacramento, Crystalline Sodium Fluoride (NaF), as required, in accordance with the provisions and specifications contained herein. Quantities are estimates only and City will purchase more or less as necessary during this potential 3 year contract.

**CRYSTALLINE SODIUM FLUORIDE (NaF) - 50 lb BAGS**

<u>Annual Quantity Estimate</u>	<u>Description</u>	<u>Unit Price Per 50lb Bag</u>	<u>Extended</u>
2,500 bags	Sodium Fluoride (NaF) dry coarse crystalline material, 50lb bags, delivered as required	\$ <u>32.00</u>	\$ <u>80,000.00</u>

Sales Tax is not applicable as this product is used in the production and purification of potable water for resale, California State Resale Permit No. SYKH98-K021076.

Total Prices listed are to be all inclusive (i.e. tax, freight, shipping charges, handling, special fees or any other related fees/costs).

Contractor guarantees delivery in 3 Days after Receipt of Order (ARO)

**Price Increases:** 2<sup>nd</sup> and 3<sup>rd</sup> year pricing will not increase by more than 5% above the previous year's prices.

Note: Refer to "MSDS and Specification Sheet" of Technical Specifications, page 26.

**ITEMS REQUIRING BIDDER RESPONSE**

**NOTE: Bidders must provide responses where indicated to the following items. Failure to provide a response to each of the items in this section may be grounds for rejection of bid.**

**1. SBE/EBE FIVE PERCENT (5%) BID EVALUATION PREFERENCE**

On February 9, 1999, the Sacramento City Council adopted an Emerging and Small Business Development program to provide enhanced opportunities for the participation of small business enterprises (SBEs) and emerging business enterprises (EBEs) in the City's contracting and procurement activities. Any bid or quotation submitted by a firm that is certified as a SBE by the City of Sacramento, or that is certified as an EBE by the City of Sacramento, will receive a five percent (5%) bid evaluation preference for the purpose of determining the lowest responsible bidder. If, after applying the 5% bid evaluation preference, the bid of an SBE/EBE firm receiving such preference is determined to be the lowest responsible bid, the award will be made for the actual amount bid. To receive this bid evaluation preference, a firm must be certified as a SBE or EBE at the time of bid opening. Questions regarding eligibility for SBE/EBE certification should be addressed to the City of Sacramento Office of Small Business Development at (916) 808-6747.

**A. SMALL BUSINESS ENTERPRISE (SBE) CERTIFICATION**

Is the firm submitting the bid certified by the City of Sacramento as a small business enterprise? Check the appropriate block below:

- YES** - the firm submitting the bid is certified by the City of Sacramento as a small business enterprise.
- NO** - the firm submitting the bid is not certified by the City of Sacramento as a small business enterprise.

If the response to the above is YES, provide the City of Sacramento Certification Number \_\_\_\_\_.

**B. EMERGING BUSINESS ENTERPRISE (EBE) CERTIFICATION**

Is the firm submitting the bid certified by the City of Sacramento as an *emerging* business enterprise? Check the appropriate block below:

- YES** - the firm submitting the bid is certified by the City of Sacramento as an emerging business enterprise.
- NO** - the firm submitting the bid is not certified by the City of Sacramento as an emerging business enterprise.

If the response to the above is YES, provide the City of Sacramento Certification Number: \_\_\_\_\_.

**2. LOCAL BUSINESS SALES/USE TAX DEDUCTION**

The Sacramento City Code requires the City to identify those bids that are subject to the City's local sales or use tax under the provisions of Part 1.5 of Division 2 of the California Revenue and Taxation Code and Chapter 3.24 of the Sacramento City Code. The lowest responsible bidder shall be determined after the amount of local sales or use tax that would be received by the City is deducted from such bids. The current rate at which such local sales or use tax is received by the City is one percent (1%). Therefore, in evaluating bids to determine the lowest responsible bidder, bids that are subject to this tax at the time of bid opening shall have an amount equal to one percent (1%) of the taxable total deducted from the bids. This deduction shall be in addition to the application of any bid price preferences or other deductions authorized by the City Code. Such deductions shall be made for bid evaluation purposes only. Contract awards shall be made at the actual bid amount.

In order to identify those bids that are subject to the City's local sales or use tax, all bidders shall respond to the following:

1) Does the bidder have fixed offices or locally taxable distribution points within the boundaries of the City of Sacramento? \_\_\_ Yes; or  No

2) If the answer to Question #1 is "Yes":

a) Provide the address of the bidder's fixed offices or locally taxable distribution point(s):

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b) Provide the bidder's current, valid City of Sacramento Business Operations Tax Certificate Number:

\_\_\_\_\_.

**3. PAYMENT DISCOUNT**

Will you offer a prompt payment discount? Yes [ ] or No  (Net 30 days)

If Yes, the Payment Discount is \_\_\_\_\_% of total bid for payment within \_\_\_\_\_ calendar days, which will be computed from the date delivery is made and is accepted by the City, or the date a proper invoice is received, whichever is later.

PAYMENT DISCOUNTS SHALL BE CONSIDERED IN AWARDING THE CONTRACT AS SET FORTH IN THE "BID INSTRUCTIONS AND REQUIREMENTS", PARAGRAPH 11 (ENTITLED "PAYMENT DISCOUNTS").

**4. MSDS and SPECIFICATION SHEET**

Bidder shall supply the Material Safety Data Sheet and the Manufacturer's Specification Sheet at the time of bid.

**5. MANUFACTURER'S LOCATION SITE**

Please provide the location of the Manufacturer's plant:

*Kitakyusyu City, JAPAN.*

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**6. PROOF OF CERTIFICATION**

Bidder shall supply proof of certification that product is suitable for contact with or treatment of drinking water. Certification shall be from an accredited certification organization in accordance with ANSI/NSF 60, Drinking Water Treatment Chemicals – Health Effects.

**7. EQUAL BENEFITS ORDINANCE**

Bidders must sign and return the Equal Benefits Declaration of Compliance in Exhibit 1 with this bid.

**ITEMS THAT MUST BE SUBMITTED BY SUCCESSFUL  
BIDDER PRIOR TO START OF CONTRACT**

The following documents are required to be completed and submitted by the successful bidder prior to the start of the contract:

**1. CERTIFICATE OF INSURANCE**

Successful bidders are REQUIRED to submit the necessary Certificate(s) of Insurance as called for in the General Conditions prior to award of the contract.

**2. BUSINESS OPERATIONS TAX CERTIFICATE**

Chapter 3.08 of the Sacramento City Code requires that anyone conducting business in the City of Sacramento obtain a **Business Operations Tax Certificate** and pay the applicable tax if necessary. Successful bidders will be REQUIRED to show compliance with this requirement prior to award of the contract.

To obtain information about the Business Operations Tax Certificate, contact the City of Sacramento, Revenue Division, 915 I Street, Room 1214, Sacramento, CA 95814, or telephone (916) 808-8500.

DATE BID OPENED 5-9-07  
EMPLOYEE INITIALS V.M.  
MARK ONE BOX FOR EACH ITEM ONLY

**BID SECURITY**  
 NONE REQUIRED  
 PROPERLY SIGNED

**BID DEPOSIT TYPE**  
 BID BOND  
 CALIF. BANK CASHIER'S CHECK  
 CERTIFIED CHECK  
 CASH  
 CALIF. BANK MONEY ORDER

**AFTER AWARD OF BID**  
SECURITY RETURNED  
SECURITY ACCEPTED  
EMPLOYEE INITIALS \_\_\_\_\_

# EXHIBIT 1

Attachment A

## DECLARATION OF COMPLIANCE Equal Benefits Ordinance

American International Chemical  
Name of Contractor

135 Newbury St Framingham, MA 01701  
Address

The above named contractor ("Contractor") hereby declares and agrees as follows:

1. I have read and understand the Non-Discrimination In Employee Benefits By City Contractors Ordinance ("Ordinance") provided to me by the City of Sacramento ("City") in connection with the City's request for proposals or other solicitations for the performance of services, or for the provision of commodities, under a City contract or agreement ("Contract").
2. As a condition of receiving the City Contract, I agree to fully comply with the requirements of the Ordinance, codified as Chapter 3. 54 of the Sacramento City Code.
3. If the face amount of this City Contract is less than \$25,000, as a condition of receiving this Contract, I agree to notify the City in writing if the aggregate value of the City Contract referenced herein, after changes, modifications, or similar actions, equals or exceeds \$25,000 in total value.
4. I understand, to the extent that such benefits are not preempted or prohibited by federal or state law, employee benefits covered by the Ordinance, are any of the following:
  - a. Bereavement Leave
  - b. Disability, life, and other types of insurance
  - c. Family medical leave
  - d. Health benefits
  - e. Membership or membership discounts
  - f. Moving expenses
  - g. Pension and retirement benefits
  - h. Vacation
  - i. Travel benefits
  - j. Any other benefit offered to employees

I agree that should I offer any of the above listed employee benefits, that I will offer those benefits, without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouses and domestic partners of such employees.

# EXHIBIT 1

## Attachment A

### DECLARATION OF COMPLIANCE Equal Benefits Ordinance

5. I understand that I will not be considered to be discriminating in the provision or application of employee benefits under the following conditions or circumstances:

- a. In the event that the actual cost of providing a benefit to a domestic partner or spouse, exceeds the cost of providing the same benefit to a spouse or domestic partner of an employee, I will not be required to provide the benefit, nor shall it be deemed discriminatory, if I require the employee to pay the monetary difference in order to provide the benefit to the domestic partner or to the spouse.
- b. In the event I am unable to provide a certain benefit, despite taking reasonable measures to do so, if I provide the employee with a cash equivalent, I will not be deemed to be discriminating in the application of that benefit.
- c. If I provide employee benefits neither to employee's spouses nor to employee's domestic partners.
- d. If I provide employee benefits to employees on a basis unrelated to marital or domestic partner status.
- e. If I submit, to the Program Coordinator, written evidence of making reasonable efforts to end discrimination in employee benefits by implementing policies which are to be enacted before the first effective date after the first open enrollment process following the date the Contract is executed with the City.

I understand that any delay in the implementation of such policies may not exceed one (1) year from the date the Contract is executed with the City, and applies only to those employee benefits for which an open enrollment process is applicable.

- f. Until administrative steps can be taken to incorporate, in the infrastructure, nondiscrimination in employee benefits

The time allotted for these administrative steps will apply only to those employee benefits for which administrative steps are necessary and may not exceed three (3) months from the date the Contract is executed with the City.

- g. Until the expiration of a current collective bargaining agreement(s) where, in fact, employee benefits are governed by a collective bargaining agreement(s).
- h. I take all reasonable measures to end discrimination in employee benefits by either requesting the union(s) involved agree to reopen the agreement(s) in order for me to take whatever steps are necessary to end discrimination in employee benefits or by my ending discrimination in employee benefits without reopening the collective bargaining agreement(s).

# EXHIBIT 1

## Attachment A

### DECLARATION OF COMPLIANCE Equal Benefits Ordinance

- i. In the event I cannot end discrimination in employee benefits despite taking all reasonable measures to do so, I provide a cash equivalent to eligible employees for whom employee benefits (as listed previously), are not available.

Unless otherwise authorized in writing by the City Manager, I understand this cash equivalent must begin at the time the union(s) refuse to allow the collective bargaining agreement(s) to be reopened or no longer than three (3) months from the date the Contract is executed with the City.

6. I understand that failure to comply with the provisions of Section 5. (a) through 4. (i), above, will subject me to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; debarment for future contracts until all penalties and restitution have been paid in full; deemed ineligible for future contracts for up to two (2) years; the imposition of a penalty, payable to the City, in the sum of \$50.00 for each employee, for each calendar day during which the employee was discriminated against in violation of the provisions of the Ordinance.
7. I understand and do hereby agree to provide each current employee and, within ten (10) days of hire, each new employee, of their rights under the Ordinance. I further agree to maintain a copy of each such letter provided, in an appropriate file for possible inspection by an authorized representative of the City. I also agree to prominently display a poster informing each employee of these rights.
8. I understand that I have the right to request an exemption to the benefit provisions of the Ordinance when such a request is submitted to the Procurement Services Division, in writing with sufficient justification for resolution, prior to contract award.

I further understand that the City may request a waiver or exemption to the provisions or requirements of the Ordinance, when only one contractor is available to enter into a contract or agreement to occupy and use City property on terms and conditions established by the City; when sole source conditions exist for goods, services, public project or improvements and related construction services; when there are no responsive bidders to the EBO requirements and the contract is for essential goods or services; when emergency conditions with public health and safety implications exist; or when the contract is for specialized legal services if in the best interest of the City.

9. In consideration of the foregoing, I shall defend, indemnify and hold harmless, the City, its officers and employees, against any claims, actions, damages, costs (including reasonable attorney fees), or other liabilities of any kind arising from any violation of the City's Equal Benefits Requirements or of the Ordinance by me.

# EXHIBIT 1

Attachment B



## **YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE**

On ..... (date), your employer (the "Employer") entered into a contract with the City of Sacramento (the "City") for ..... (contract details), and as a condition of that contract, agreed to abide by the requirements of the City's Non-Discrimination In Employee Benefits By City Contractors Ordinance (Sacramento City Code Section 3.54).

The Ordinance does not require the Employer to provide employee benefits. The Ordinance does require that if certain employee benefits are provided by the Employer, that those benefits be provided without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouse or domestic partner of employees.

The Ordinance covers any employee working on the specific contract referenced above, but only for the period of time while those employees are actually working on this specific contract.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

(Employee Benefits does not include benefits that may be preempted by federal or state law.)

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, or in the application of these employee benefits, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of the Ordinance, and after having exhausted all remedies with your employer,

# EXHIBIT 1

Attachment A

## DECLARATION OF COMPLIANCE Equal Benefits Ordinance

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind the Contractor to the provisions of this Declaration.

  
\_\_\_\_\_  
Signature of Authorized Representative

5-8-07  
\_\_\_\_\_  
Date

MARK ROBERTSON  
\_\_\_\_\_  
Print Name

Executive VP Marketing  
\_\_\_\_\_  
Title



This database shows the Listings as of 8:00 PM, July 7, 1999, Eastern Standard Time. The Listings are continually changing. Please contact NSF to confirm status of any Listing, report any errors, or make any suggestions.

**NSF STANDARD 060**  
**Drinking Water Treatment Chemicals - Health Effects**

**ONODA CHEMICAL INDUSTRY CO., LTD.**  
 1-8-2 MARUNOUCHI, CHIYODA-KU  
 TOKYO 100  
 JAPAN  
 81 3 3216 5061

Plant at: KITAKYUSYU CITY, JAPAN

Trade Designation	Function	Max Use
Sodium Fluoride		
Sodium Fluoride	Fluoridation	2.3 mg/L



# American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: [www.aicma.com](http://www.aicma.com) Email: [info@aicma.com](mailto:info@aicma.com)

## SPECIFICATION SHEET

### SODIUM FLUORIDE GRANULAR MEETS AWWA SPECIFICATIONS

Code No.	SCN No.	CAS No.	Effective Date	Written	Rev. No.	Approved
SODFLU	2730	7681-49-4	December 8, 2003	MPR	No. 3	KSG

<b>CHARACTERISTICS:</b>	A dry, coarse, crystalline material containing no lumps, soluble in water
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<b>SPECIFICATIONS:</b>	Assay	97.0% min.
	Insoluble matter	0.6% max.
	Moisture	0.5% max.
	Heavy metals	0.04% max.
	Particle size	
	Thru 20 mesh	98.0% min.
	Retained on 100 mesh	50.0% min.
Thru 325 mesh	5.0% max.	

<b>STOCKING POINTS:</b>	Farmingdale, NJ
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<b>PACKAGING:</b>	50 lb P.E. lined paper bags, 54 bags per pallet
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<b>HAZARD IDENTIFICATION:</b>	UN 1690, PG III, Class 6.1, Poison.
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<b>APPLICATIONS:</b>	Fluoridation of water, wood preserving, electroplating, metallurgy, deoxidizing stainless steel.
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<b>OTHER:</b>	Meets AWWA specifications, NSF Certified
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## American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: [www.aicma.com](http://www.aicma.com) Email: [info@aicma.com](mailto:info@aicma.com)

### MATERIAL SAFETY DATA SHEET

## SODIUM FLUORIDE

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: December 11, 2003

Synonyms: Sodium Monofluoride

CAS #: 7681-49-4

DOT Hazard Class: UN 1690 Poison

### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Sodium Fluoride 99% min.

### SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Odorless white granules or powder. Poison, irritation, may be fatal if ingested or inhaled. Keep away from strong acids.

**POTENTIAL HEALTH EFFECTS:**

**Eyes & Skin:** Severe irritation or burns.

**Inhalation:** Is harmful and may be fatal. Nausea, vomiting, difficult breathing, severe respiratory irritation.

**Ingestion:** Is harmful and may be fatal. Headache, nausea, vomiting, gastrointestinal irritation, convulsions, burns to the mouth, throat and stomach can occur.

**Chronic Effects:** May cause fluorosis, may be absorbed through the skin and produce weight loss, brittleness of bones, anemia, weakness and stiffness of the joints. Internal bleeding may develop.

**CARCINOGENICITY:** Not listed under OSHA, IARC, or NTP.

#### **SECTION 4 - FIRST AID MEASURES**

**Eyes:** Immediately flush with large amounts of water for at least 15 minutes.

**Skin:** Wash off with soap and water for at 15 minutes. Remove all contaminated clothing.

**Inhalation:** Remove to the fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

**Ingestion:** Dilute with several glasses of water or milk - contact a physician.

**On all of the Above:** Seek medical attention if symptoms persist.

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#### **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Not Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire, which should include self-contained breathing apparatus with full facepiece operated in positive pressure mold.

Unusual Fire Explosion Hazard: When heated to extreme temperatures, it may release hydrogen fluoride gas. Closed containers exposed to heat may explode.

Auto Ignition Temperature: Not Applicable

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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Wear self-contained breathing apparatus and full protective clothing.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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#### **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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#### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved respirators.

**VENTILATION REQUIREMENTS:** Ventilate if airborne concentration exceeds TLV to eliminate dust from the work area.

**SKIN AND EYE PROTECTION:**

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

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#### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION cont'd**

**WORK, HYGIENIC PRACTICES:**

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: TLV/TWA 2.5 mg/m<sup>3</sup>  
PEL 2.5 mg/m<sup>3</sup>  
STEL Not Established

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### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 1704° C or 3099° F

Vapor Pressure (MM Hg): < 0.01 @ 200° C

Vapor Density (AIR=1): 1.4

Specific Gravity (H2O=1): 2.78

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 993° C or 1819° F

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Moderate

pH: Not Applicable

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### **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride

KEEP AWAY FROM: Strong acids, glass, high temperatures. Reacts with acids to form hydrogen fluoride.

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### **SECTION 11 - TOXICOLOGICAL INFORMATION**

ORAL	RAT	LD <sub>50</sub>	64 mg/kg
ORAL	MOUSE	LD <sub>50</sub>	22 mg/kg
INTRAVENOUS	RAT	LD <sub>50</sub>	12 mg/kg

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### **SECTION 12 - ECOLOGICAL INFORMATION**

Not Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: Sodium Fluoride  
TECHNICAL SHIPPING NAME: Sodium Fluoride  
D.O.T. HAZARD CLASS: 6  
U.N./N.A. NUMBER: 1690  
PRODUCT RQ (lbs) 1000 lbs  
D.O.T. LABEL: Sodium Fluoride, UN 1690, Class 6, Group III  
D.O.T. PLACARD: Poison  
PRODUCT LABEL: Poison

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**SECTION 15 - REGULATORY INFORMATION**

TSCA (TOXIC SUBSTANCE CONTROL ACT):  
This product is listed on the TSCA Inventory.

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted  
Section 313 Toxic Chemicals: Unlisted  
Section 311/312 Hazard Category: Immediate (acute) Health Hazard, Delayed Chronic.

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**SECTION 16 - OTHER INFORMATION**

NFPA Rating            Health            3            Fire            0            Reactivity            0

Reason for Issue: Keep Away From Food Removed. Replaced with Poison.

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**