



Bid Number 50 – 00112406

**TWO (2) YEAR CONTRACT FOR SUPPLY OF POLYMERS FOR THE
JEFFERSON PARISH DEPARTMENT OF SEWERAGE**

BID DUE FEBRUARY 19, 2015 AT 2:00 P.M.

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053**

**Buyer Name: Misty A. Camardelle
Buyer Email: mcamardelle@jeffparish.net
Buyer Phone: 504-364-2683**

JEFFERSON PARISH
DEPARTMENT OF SEWERAGE
SPECIFICATIONS FOR POLYMER

1.0 GENERAL:

- 1.1** Specifications for a two year contract for a supply of cationic polymers (Clarifloc CE-293 polymer & Clarifloc C-6254 polymer) for the Department of Sewerage. The quantity shown on this bid represents an approximate quantity to be purchased over the two year period. Actual usage will be on an as needed basis.

2.0 PRODUCT SPECIFICATIONS:

- 2.1** The polymers furnished under these specifications will be used for the dewatering of sewerage sludge by using belt filter press. The required polymers are:
- A. Clarifloc C-6254 polymer
 - B. Clarifloc CE-293 polymer
- 2.2** The polymers supplied under these specifications must be a liquid cationic emulsified solution of a high molecular weight flocculants.
- 2.3** The polymers must have good mixing characteristics and produce a minimum of nuisance conditions, such as floating scum or foam.
- 2.4** The polymers shall be suitable for storage in plastic vessels and shall have a shelf life in the storage tank of no less than six months. The freeze-thaw recovery of the polymer shall be at least 90%. The polymers should be mixable with water in all dilutions, and should be able to be diluted to any ratio desired to meet the chemical feed capacity.
- 2.5** The polymers shall have the following general properties:
- Appearance - viscous liquid
 - Solubility - soluble in water in all proportions
- 2.6** The polymers application shall decidedly improve the operation of the belt filter press, and attain the following performance:
- Feed solids - 1.5% - 3.5%
 - Hydraulic loading - 100-300 gpm
 - Minimum cake solids - 16%

Minimum solids capture - 85%

Filtrate quality - less than 1,000 mg/1 tss

3.0 TESTING PROCEDURE:

Note: Jefferson Parish reserves the right to require or omit polymer testing based upon polymer performance. If testing is deemed necessary, the following procedures must be adhered to.

- 3.1 The polymers must be compatible with the present feed system at each facility.
- 3.2 Only cationic liquid emulsion polymer products will be accepted for the plant test trial. Anionic or neutral charge, dry solid polymer, and water solution polymers will not be accepted.
- 3.3 The bidder shall use the polymer equipment provided by the department for conducting polymer trial work on the belt filter press.
- 3.4 The department will select one belt filter press on the Eastbank and one belt filter press on the Westbank for running all trials. The same belt filter presses will be used for all trial work as much as possible.
- 3.5 The bidder will provide for the test at least one 10 gallon and one 5 gallon sample to be retained by the department. All polymers used in the trial and sample shall be provided by the bidder at no cost to the parish.
- 3.6 The trial will provide data to estimate polymer dosage, captured solids, filtrate clarity, cake dryness, and also provide operational characteristics of the belt filter press when using the test polymers.
- 3.7 Since the department has a hauling contract for which the cost of disposal is based on the number of wet tons hauled, the performance factor will include an adjustment to reflect cake solids and polymer per ton of solids captured.
- 3.8 At the department's request, the bidder must provide additional testing during the contract period, should performance of polymer become an issue. Additional testing will only be required if performance requirements are not met. The bidder must be willing to adjust and supply the optimal polymer to meet performance requirements.

4.0 PLANT PERFORMANCE:

- 4.1 If the polymer consumption during normal operations exceeds the original pounds of polymer per ton of dry solids for the qualifications trial by 20%, the supplier shall respond to such problems at no additional cost to the department.

- 4.2 Jefferson Parish reserves the right to cancel the contract and re-bid if the corrective actions exceed the original dosage rate by 20% for the ten day period.
- 4.3 The department reserves the right to run laboratory and/or plant trials of other polymers during the contract period.

5.0 TECHNICAL INFORMATION:

- 5.1 The bidder shall submit OSHA material safety data sheets and polymer products sheets within 10 days after the bid opening to the Purchasing Department.
- 5.2 Upon request, the bidder shall provide the department with a laboratory procedure to determine total active solids in their product during the contract period.
- 5.3 The bidder shall provide the department with technical assistance to develop and maintain optimum dewatering of the sludge with the belt filter presses, while using a minimal polymer dosage.

6.0 DELIVERY:

- 6.1 Shipments and partial shipments shall be made by tank truck, according to users need, to the following locations:

Eastbank Wastewater Treatment Plant
#2 Humane Way
Harahan, LA 70123

Bridge City Wastewater Treatment Plant
1400 Highway 90
Bridge City, LA 70094

Harvey Wastewater Treatment Plant
2343 Paillet Street
Harvey, LA 70058

Marrero Wastewater Treatment Plant
6250 Lapalco Blvd.
Marrero, LA 70072

- 6.2 Deliveries to the Westbank plants are typically less than a truckload:

Approximately 500 gallons to the Bridge City Plant, approximately 1000 gallons to the Marrero Plant, for and approximately 1000 gallons to the Harvey Plant. Although the department tries to combine and order the three plants at one time, the department reserves the right to order the materials in quantities needed at just one plant.

- 6.3 Deliveries must be made no later than 12 days after orders are placed.
- 6.4 The bidder shall supply the necessary transfer pump and/or equipment to unload the polymer from the tank truck into the storage tanks in a safe and efficient manner.
- 6.5 Certified weight scale tickets attached to the invoices shall substantiate the amount of material delivered.
- 6.6 Invoices with requisition number, copy of delivery tickets with date of delivery, and copy of weight scale tickets should be sent to:

Department Of Sewerage
1221 Elmwood Park Blvd., Suite 803
Harahan, LA 70123

DATE: 2/04/2015

INVITATION TO BID
THIS IS NOT AN ORDER

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BID NO.: 50-00112406

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

BUYER: MCamardelle@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 2/19/2015 AND PUBLICLY OPENED THEREAFTER.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Forms to register may be downloaded from www.purchasing.jeffparish.net and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

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JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

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INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

E. RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

F. POSTING OF BIDS: A listing of bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA and will remain posted until close of respective bids.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Please note requirements contained in this bid package for electronic bid submission.

Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW
10, 12, 13, 15

1. All bidders must attend the pre-bid conference in relation to this bid; attendance is mandatory. Failure to attend will prohibit a company from submitting a bid. Vendors arriving after the mandatory pre-bid conference begins will not be allowed to sign in as evidence of attendance.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicted on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, money order, or surety bid bond. If submitting bid online, vendors must submit bond through respective online clearinghouse bond management system as indicated in the Electronic Procurement system.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. NON PUBLIC WORK BIDS - Completed, Signed and Property Notarized Affidavits (in Original Format) required; Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder with bid submission within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON-PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

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BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 04/31/2017

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

5-7 DAYS ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: BASF Corporation

ADDRESS: 100 Park Ave

CITY, STATE: Florham Park, NJ

ZIP: 07932

TELEPHONE: (973) 245-7145

FAX: (973) 307-2316

EMAIL ADDRESS: municipal-water-na@basf.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 445,200.00 OR \$ 434,600 if both items (1&2) are

AUTHORIZED _____ awarded to BASF Corp.

SIGNATURE: Joanne Kuchinski Joanne Kuchinski

Printed Name

TITLE: Market Manager Municipal Solutions

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00112406

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	250,000.00	LB	TWO (2) YEAR CONTRACT FOR SUPPLY OF POLYMERS FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE		
			0010 - Belt filter press polymer Clarifloc CE-293 BASF®ZETAG®8828FSB	\$0.84/lb	\$210,000.00
2	280,000.00	LB	0020 - Belt filter press polymer Clarifloc C-6254 BASF®ZETAG®8819	\$0.84/lb	\$235,200.00
			NOTE: 2.5% discount will be provided if both items (1&2) above are awarded to BASF Corporation. with discount applied the price comes down to \$0.82/lb		

PLEASE SEE ATTACHMENT
CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

SECRETARY-TREASURER

DATE

Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF New JerseyPARISH/COUNTY OF Passaic

BEFORE ME, the undersigned authority, personally came and appeared: STEVEN J. Goldberg, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized officer of BASF Corporation (Entity), the party who submitted a bid in response to Bid Number _____, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

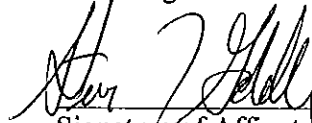
Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

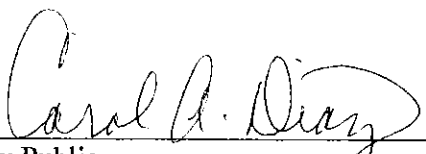
That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

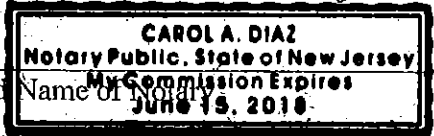

Signature of Affiant

STEVEN J. GOLDBERG
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 13th DAY OF February, 2015.


Notary Public

Printed Name of Notary 

Notary/Bar Roll Number



My commission expires June 15, 2018.

INSURANCE REQUIREMENTS - BIDS

All insurance requirements shall conform to Jefferson Parish Resolution No. 113646 or No. 113647. The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and said Parish Resolutions. Except as otherwise provided by law, the Parish Attorney's Office with the concurrence of the Director of Risk Management is authorized to omit in whole or part the insurance requirements of this section in connection with contracts. Vendors inquiring about this shall submit his written request to the Purchasing Department prior to the due date of the bid. Contractor must deliver and maintain such insurances as provided; failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

Successful bidder will be required to procure standard insurance policies evidencing Parish mandated insurance requirements indicated below. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected.

1. WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

2. COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

3. COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

~~No insurance required shall include a deductible not greater than \$10,000.00.~~ The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS:

Unless otherwise specified in the bid, these additional insurance is required. Such insurance is due upon contract execution.

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

NOTE for CERTIFICATE HOLDER:

All insurance certificates shall list the certificate holder as follows:

"The Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council." Additionally, the address on the Certificates should reflect the department which is letting the bid and reference the respective bid number.

Revised 2.10.2014



The Chemical Company

February 18 2015

STATEMENT OF MANUFACTURING and SUPPLY

BASF is the world's leading manufacturer of chemicals servicing all major industries including water treatment. BASF operates over 300 manufacturing plants globally and nearly 100 of those plants are located in North America. Our manufacturing plants include 6 Verbund production sites with 2 of those sites located in US. Verbund is defined as those manufacturing sites having totally integrated value chains ranging from feed stocks through finished products.

BASF Water Solutions is the business unit managing water relevant products. Those manufacturing sites involved in the production of polymer water treatment chemicals include Suffolk, VA, USA, West Memphis, AR, USA, Bradford, England and Grimsby, UK. BASF and its predecessor companies have been in the business of manufacturing water treatment chemicals for over 60 years.

Zetag (Emulsions) are manufactured in our plant located in Suffolk, VA. BASF is committed to our customers' requirements and adheres to stringent standard operating procedures to assure we meet your product demand. BASF is committed to your satisfaction and assures that your polymer demand will be fulfilled to the best of our means in order to meet Jefferson Parish, LA forecasted demand.

A handwritten signature in cursive script that reads "Joanne Kuchinski".

Joanne Kuchinski
Municipal Market Manager
BASF Corporation
Performance Chemicals, Water Solutions

Phone: 973-245-7145
Mobile: 973-873-3130
joanne.kuchinski@basf.com



The Chemical Company

References: Inverse Emulsion

City of New York, January 2011 - Current

Product ACE 2020N & Zetag 8848FS;

Quantity per year: Three contracts total Volume: 6,285,000 lbs.

5917 Junction Blvd.

Flushing, NY 11373

Contact: Keith Cataldo

Phone: 718-595-5012

E-mail: kcataldo@dep.nyc.gov

City of Tampa, November 2009 - Current

Product Zetag 8816;

Quantity per year: 760,000 lbs

2700 Maritime Blvd.

Tampa, FL, 33605

Contact: Rob Decker

Phone: 813-247-3451 Ext. 352

E-mail: Robert.Decker@ci.tampa.fl.us

City of Las Vegas WPCF, November 2004 - Current

Product Zetag 8814;

Quantity per year: 670,000 lbs;

6005 Vegas Valley Drive

Las Vegas, NV 89142

Contact: Brian Oswalt

Phone: 702-229-6200

E-mail: BOswalt@LasVegasNevada.GOV

City of Houston, September 2012 – Current

Product Zetag 8849FS;

Quantity per Year: 2,100,000 lbs.

2525 SSGT Macario Garcia Dr.

Houston, TX 77020

Contact: Martin King

Phone: 832 393-8705

E-mail: Martin.king@houstontx.gov



The Chemical Company

To: F. Gary Day, Steve Jose, Joanne Kuchinski, Frank Himpler
Location: Florham Park, NJ

From: Linda A. Muroski
Location: Florham Park, NJ

Subject: Delegation of Authority

In accordance with Paragraph 3.7.1 of Corporate Policy BC016, Authorization for Approvals, I hereby delegate as an alternate (Surrogate) to each of F. Gary Day, Steve Jose, Joanne Kuchinski, and Frank Himpler, the authority to approve and sign any Sales Agreement, Response to Bid Request, and other related document pertaining to the Water Solutions business in my absence.

This Delegation of Authority is subject to Corporate Policy BC016, Authorization for Approvals, all agreements which exceed \$1 million USD or three years term, must be initialed by Linda A. Muroski.

This Delegation of Authority is effective as of July 1, 2013 and will remain in effect until revoked in writing.

Signed: 
Linda A. Muroski, Director of Water Solutions

Date: January 19, 2015

**CERTIFICATE OF ASSISTANT SECRETARY
BASF CORPORATION**

The undersigned, Julie Wong, a duly elected, qualified and acting Assistant Secretary of BASF CORPORATION a Delaware corporation (the "Corporation"), hereby certifies that the following Resolution was adopted by Unanimous Written Consent of the Board of Directors of the Corporation as of November 13, 2012, and is duly recorded in the Corporation's minutes, and remain in effect.

AUTHORIZATIONS RELATED TO WATER SOLUTIONS BUSINESS

RESOLVED, that effective April 1, 2012, Diego Lopez Casanello, the Senior Vice President, Performance Chemicals North America, is hereby authorized to sign any Sales Agreement, Response to Bid Request and any other related document within his area of responsibility; and it is

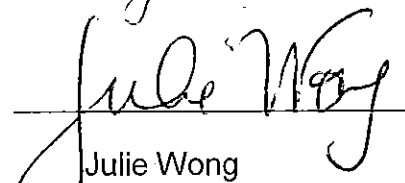
FURTHER RESOLVED, that effective April 1, 2012, Linda A. Muroski, the Director, Water Solutions business or any Business Director of the Water Solutions business is hereby authorized to sign any Sales Agreement, Response to Bid Request and any other related document within their scope of responsibility; and it is

FURTHER RESOLVED, that effective April 1, 2012, each of Diego Lopez, the Senior Vice President, Performance Chemicals; Linda A. Muroski, the Director, Water Solutions business; and any Business Director of the Water Solutions business (each, a "Delegator"), is hereby authorized to designate an alternate (a "Surrogate") to sign any Sales Agreement, Response to Bid Request and any other related document pertaining to the Water Solutions business, in the absence of such Delegator; and it is

FURTHER RESOLVED, that the authority granted in all of the above resolutions is subject to Corporate Policy BC016, Authorization for Approvals.

IN WITNESS WHEREOF, I have subscribed my name and have affixed the seal of the Corporation hereto on this 23rd day of January, 2015.




Julie Wong
Assistant Secretary



We create chemistry

Product Specification

ZETAG 8819

General Customer () Version 15-Dec-2009

Item : 30485623

Test Point / Test Method	Unit	Requirements Lower / Upper
DRY WEIGHT	%	>= 44.5
FAN Assisted Oven		
AT 140 C		
ACTIVE SUBSTANCE	%	>= 39.0
CALCULATION		
INTRINSIC VISCOSITY	dl/g	11.0 - 15.0
SUSPENDED LEVEL VISCOMETER		
FILTRATION	%	0 - 0.20
Screen filtration		
VISCOSITY	cps	400 - 1400
Brookfield		
As supplied LVT SP2 30RPM @20°C		
ACTIVATION	sec	0 - 15.0
PHYSICAL TEST		
AT 20°C		
RESIDUAL ACRYLAMIDE	%	0 - 0.10
High Performance Liquid Chromatography		

-- Results with 'S' are statistically tested!

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. SELLER MAKES NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, BY FACT OR LAW, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

The statements under the heading "Characters" are not to be interpreted in a strict sense and are not requirements.

This is a computer generated document. It is valid without signature.

® = Registered trademark of BASF group

Technical Information

Water Solutions

T/IEV/WN Rev. 03
February 2013

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® = registered Trademark of
BASF Corporation

Zetag[®] 8819

Liquid Grade Cationic Polyelectrolyte

Chemical Nature

Copolymer of acrylamide and quaternized cationic monomer

Application Areas

Polyelectrolyte for the conditioning of a variety of municipal and industrial substrates prior to mechanical or static solid/liquid separation. This product is not approved for use in potable water applications.

Benefits

Highly effective across a wide range of applications including mechanical dewatering, thickening, flotation, and clarification. Operation over a wide pH range (4-9).

Typical Properties

Product type:	Inverse emulsion
Physical form:	Cloudy to opaque white liquid
Active content:	40%
Cationic charge:	Very high
Molecular weight:	Very high
Specific gravity:	1.03
Bulk density:	8.60 lb/gal
Ph 1% solution:	4-6

Apparent Viscosity/(cP) @ 25 °C			
Concentration	0.25%	0.50%	1.0%
Viscosity	300	500	900

Storage

Under normal, dry storage conditions within the temperature range 5 – 25 °C (41-77 °F) this product will be stable for at least 6 months. Storage outside the above specified temperature range for long periods may adversely affect the product over a long period and should thus be avoided, if possible.

It is recommended that stock solutions at 0.25 - 0.5% are prepared regularly and for maximum effect such solutions should be used within 5 days. Beyond this period some loss in efficiency of the product may occur.

Packaging

20 kg Pail
200 kg Drum
1,000 kg Tote
~18,000 kg Bulk

Shipping and Handling

As with all cationic polyelectrolyte polymers this product exhibits toxicity towards fish. It is important that precautions are taken where the product may come into direct contact with fresh water courses, streams and rivers.

Corrosion towards most standard materials of construction is very low. Stainless steel, fiberglass, polyethylene, polypropylene and epoxy coated surfaces are recommended. In some cases aluminum surfaces can be adversely affected. Ethylene propylene rubber (EPDM), natural rubber, polyurethane, and PVC should all be avoided when handling neat product.

Spilled product is slippery underfoot, very slippery when wet. Product should be protected from frost and stirred before use and if separation occurs. Information on the shipping and handling of this product can be found in the relevant MSDS. Disposal of product must comply with all national, state and local laws.

Health and Safety

Detailed information on this product can be found in the relevant Material Safety Data Sheet (MSDS).

Technical Service

BASF sales representatives and field service technicians are available to give advice and assistance in the running of laboratory tests and machine trials to select the correct product and determine the best application conditions.

Note

The data contained in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, this data does not relieve processors from carrying out their own investigations and tests; neither does this data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

February 2013

BASF Corporation
100 Park Avenue
Florham Park, NJ 07932-0685

Water Solutions





The Chemical Company

Safety Data Sheet

Zetag® 8819 (US)

Revision date : 2012/08/29

Version: 2.1

Page: 1/7

(30485623/SDS_GEN_US/EN)

1. Product and Company Identification

Company

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Chemical family: cationic

2. Hazards Identification

Emergency overview

Caution - Slippery when wet!

Causes serious eye irritation.

Causes skin irritation.

Contains petroleum distillates and prolonged contact with mists may cause skin, eye and respiratory tract irritation. Continued overexposure may cause headache and dizziness. Ingestion may cause lung complications.

Vapours may cause drowsiness and dizziness.

Repeated or prolonged exposure may cause dermatitis, due to degreasing properties of the product.

State of matter: liquid

Colour: cream, almost white

Odour: mineral oil-like

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Sensitization:

There is no evidence of a skin-sensitizing potential.

Chronic toxicity:

Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity: No data for product. No effects anticipated

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Genotoxicity: No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Signs and symptoms of overexposure:
Eye irritation, skin irritation, CNS depression

Potential environmental effects

Aquatic toxicity:
Acutely harmful for aquatic organisms.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
124-04-9	1.0 - 3.0 %	adipic acid
64742-47-8	15.0 - 40.0 %	Distillates (petroleum), hydrotreated light
68131-40-8	1.0 - 5.0 %	Alcohols, C11-15-secondary, ethoxylated

4. First-Aid Measures

General advice:
Immediately remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Wash affected areas thoroughly with soap and water. Seek medical attention.

If in eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point: > 93 °C
Flammability: not highly flammable
Self-ignition temperature: not self-igniting

Suitable extinguishing media:
dry powder, foam, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Additional information:
If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

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(30485623/SDS_GEN_US/EN)

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Spilled product is slippery underfoot. Very slippery when wet.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Keep people away and stay on the upwind side.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Spills should be contained, solidified, and placed in suitable containers for disposal.

Further information:

High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

General advice:

Keep away from sources of ignition - No smoking.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

Storage stability:

Avoid extreme heat. Avoid freezing.

Temperature tolerance

Avoid freezing.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

Distillates (petroleum),
hydrotreated light

ACGIH

TWA value 200 mg/m3 Non-aerosol (total hydrocarbon vapor);

Application restricted to conditions in which there are negligible aerosol exposures.

Skin Designation Non-aerosol (total hydrocarbon vapor);
The substance can be absorbed through the skin.

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(30485623/SDS_GEN_US/EN)

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	emulsion
Odour:	mineral oil-like
Colour:	cream, almost white
pH value:	approx. 4
Density:	approx. 1.0 g/cm ³ (20 °C)
Viscosity, dynamic:	1,000 - 1,500 mPa.s
% volatiles:	23.9 %
Solubility in water:	dispersible
Miscibility with water:	of low solubility
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

Avoid extreme temperatures. Avoid freezing. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

reactive chemicals

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Oral:

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(30485623/SDS_GEN_US/EN)

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation / corrosion

Skin:

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

Eye:

Species: rabbit

Result: Irritant.

Aspiration Hazard:

No aspiration hazard expected.

Other Information:

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. Ecological Information

Aquatic toxicity

Information on: cationic polyacrylamide

Assessment of aquatic toxicity:

The hydrolysis products are not acutely harmful to aquatic organisms. Acute effects on aquatic organisms are due to the cationic charge of the polymer, which is quickly neutralised in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon. Fish toxicity and aquatic toxicity are drastically reduced by rapid irreversible adsorption onto suspended and/or dissolved organic matter.

Fish

Acute:

Oncorhynchus mykiss/LC50 (96 h): 10 - 100 mg/l

(under static conditions in the presence of 10 mg/L humic acid) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates

Acute:

daphnia/EC50 (48 h): 10 - 100 mg/l

(under static conditions in the presence of 10 mg/L humic acid)

Degradability / Persistence

Hydrolysis

Information on: cationic polyacrylamide

In contact with water the substance will hydrolyse rapidly.

Environmental mobility:

Information on: cationic polyacrylamide

Assessment transport between environmental compartments:

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(30485623/SDS GEN US/EN)

Adsorption to solid soil phase is expected.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

RCRA:

Not a hazardous waste under RCRA (40 CFR 261).

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category:

Chronic target organ effects reported; ACGIH TLV established

EPCRA 311/312 (Hazard categories):

Acute; Chronic

State regulations

State RTK

MA, NJ, PA

MA, NJ, PA

CAS Number

124-04-9

64742-47-8

Chemical name

adipic acid

Distillates (petroleum), hydrotreated light

Safety Data Sheet

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Version: 2.1

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(30485623/SDS_GEN_US/EN)

16. Other Information

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special: -

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:

BASF NA Product Regulations

MSDS Prepared on: 2012/08/29

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IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

Due to the merger of CIBA and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us at the address mentioned in Section I.

END OF DATA SHEET

Technical Information

TI/EVS Rev. 00
August 2014

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Water Solutions



The Chemical Company

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BASF Corporation

Zetag[®] 8828FSB

Liquid Grade Cationic Polyelectrolyte

Chemical Nature

Copolymer of acrylamide and quaternized cationic monomer

Application Areas

Polyelectrolyte for the conditioning of a variety of municipal and industrial substrates prior to mechanical or static solid/liquid separation.

This product is not approved for use in potable water applications.

Benefits

Highly effective across a wide range of applications including mechanical dewatering, thickening, flotation, and clarification. Operation over a wide pH range (4-9).

Typical Properties

Product Type:	Inverse Emulsion
Physical form:	Cloudy to opaque white liquid
Active Content:	40%
Cationic Charge:	High
Molecular Weight:	High
Specific Gravity:	1.03 g/cm ³
Bulk Density:	8.60 lb/gal
pH 1% solution:	4-6

Apparent Viscosity at 25°C			
Concentration	0.25%	0.50%	1.0%
Viscosity/(cPs)	300	550	1,175

Storage

Under normal, dry storage conditions within the temperature range 5 - 25°C (41-77°F), this product will be stable for at least 6 months. Storage outside the above specified temperature range for long periods may adversely affect the product over a long period and should thus be avoided, if possible.

It is recommended that stock solutions at 0.25 - 0.5% are prepared regularly and for maximum effect such solutions should be used within 5 days. Beyond this period some loss in efficiency of the product may occur.

Packaging

20 kg Pail
200 kg Drum
1000 kg Tote
~18000 kg Bulk

Shipping and Handling

As with all cationic polyelectrolyte polymers this product exhibits toxicity towards fish. It is important that precautions are taken where the product may come into direct contact with fresh water courses, streams and rivers.

Corrosion towards most standard materials of construction is very low. Stainless steel, fiberglass, polyethylene, polypropylene and epoxy coated surfaces are recommended. In some cases aluminum surfaces can be adversely affected. Ethylene propylene rubber (EPDM), natural rubber, polyurethane, and PVC should all be avoided when handling neat product.

Spilled product is slippery underfoot, very slippery when wet. Product should be protected from frost and stirred before use and if separation occurs. Information on the shipping and handling of this product can be found in the relevant MSDS. Disposal of product must comply with all national, state and local laws.

Health and Safety

Detailed information on this product can be found in the relevant Material Safety Data Sheet (MSDS).

Technical Service

BASF sales representatives and field service technicians are available to give advice and assistance in the running of laboratory tests and machine trials to select the correct product and determine the best application conditions.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

August 2014



The Chemical Company

Safety Data Sheet

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1. Identification

Product identifier used on the label

Zetag® 8828FSB

Recommended use of the chemical and restriction on use

Recommended use*: flocculation agent

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION

100 Park Avenue

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: Emulsion based on: cationic, polyacrylamide

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.

2

Eye Dam./Irrit.

2A

Skin corrosion/irritation

Serious eye damage/eye irritation

Label elements

Pictogram:

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Signal Word:

Warning

Hazard Statement:

H319

Causes serious eye irritation.

H315

Causes skin irritation.

Precautionary Statements (Prevention):

P280

Wear protective gloves and eye/face protection.

P264

Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303 + P352

IF ON SKIN (on hair): Wash with plenty of soap and water.

P332 + P313

If skin irritation occurs: Get medical advice/attention.

P337 + P311

If eye irritation persists: Call a POISON CENTER or doctor/physician.

P362 + P364

Take off contaminated clothing and wash before reuse.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

WARNING:

Causes eye irritation.

CAUSES SKIN IRRITATION.

Contains petroleum distillates and prolonged contact with mists may cause skin, eye and respiratory tract irritation. Continued overexposure may cause headache and dizziness. Ingestion may cause lung complications.

Caution - Slippery when wet!

Use NIOSH approved respirator as needed to mitigate exposure.

Wear chemical resistant protective gloves.

Wear NIOSH-certified chemical goggles.

Eye wash fountains and safety showers must be easily accessible.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
64742-47-8	>= 25.0 - < 50.0 %	Distillates (petroleum), hydrotreated light
78330-21-9	>= 1.0 - <= 5.0 %	Alcohols, C11-14-iso-, C13-rich, ethoxylated

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
Trade Secret	>= 30.0 - <= 50.0 %	Acrylamide Copolymer
64742-47-8	>= 25.0 - <= 50.0 %	Distillates (petroleum), hydrotreated light
78330-21-9	>= 1.0 - <= 5.0 %	Alcohols, C11-14-iso-, C13-rich, ethoxylated
Trade Secret	>= 1.0 - <= 5.0 %	Sorbitan Ester

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4. First-Aid Measures

Description of first aid measures

General advice:

Immediately remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash affected areas thoroughly with soap and water. Seek medical attention.

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
dry powder, foam, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Additional information:

If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Spilled product is slippery underfoot. Very slippery when wet.

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Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Keep people away and stay on the upwind side.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling

Keep away from sources of ignition - No smoking.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:

Storage temperature: 5 - 50 °C

Protect from temperatures below: 5 °C

Protect from temperatures above: 50 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Distillates (petroleum),
hydrotreated light

ACGIH TLV

TWA value 200 mg/m³ Non-aerosol (total
hydrocarbon vapor);

Application restricted to conditions in which there
are negligible aerosol exposures.

Skin Designation Non-aerosol (total
hydrocarbon vapor);

The substance can be absorbed through the skin.

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Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work.

9. Physical and Chemical Properties

Form:	emulsion	
Odour:	solvent-like	
Odour threshold:		No applicable information available.
Colour:	cream, almost white	
pH value:	4	as supplied
boiling temperature:	100 °C	(1,013 hPa)
Flash point:	> 100 °C	(ASTM D92) No flash point - Measurement made up to the indicated temperature, pilot light extinguishes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Flammability:	not flammable	
Lower explosion limit:		For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.
Upper explosion limit:		For liquids not relevant for classification and labelling.
Autoignition:		not determined
Vapour pressure:		No applicable information available.
Density:	0.952 g/cm3	(20 °C)
Partitioning coefficient n- octanol/water (log Pow):		Study scientifically not justified.
Self-ignition temperature:		not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	1,000 mPa.s	(23 °C)
Viscosity, kinematic:	> 20.5 mm2/s	(40 °C) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Solubility in water:		soluble
Evaporation rate:		Value can be approximated from Henry's Law Constant or vapor pressure.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

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10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

Conditions to avoid

Avoid extreme temperatures. Avoid freezing. Avoid all sources of ignition: heat, sparks, open flame.

Incompatible materials

reactive chemicals

Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Skin

Species: rabbit

Result: Irritant.

Eye

Species: rabbit

Result: Irritant.

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Sensitization

Assessment of sensitization: Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.

Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Teratogenicity

Assessment of teratogenicity: No data available.

Other Information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms.

Toxicity to fish

LC50 (96 h) 18 mg/l, *Oncorhynchus mykiss* (static)
(under static conditions in the presence of 10 mg/L humic acid) The product has not been tested.
The statement has been derived from the properties of the individual components.

Aquatic invertebrates

EC50 (48 h) < 4.9 mg/l, *Ceriodaphnia dubia* (calculated, static)
The product has not been tested. The statement has been derived from the properties of the individual components.

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Persistence and degradability

Assessment biodegradation and elimination (H2O)

Moderately/partially biodegradable.

On the basis of the data available concerning eliminability/degradation and bioaccumulation potential, longer-term harm to the environment is improbable.

Bioaccumulative potential

Bioaccumulation potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

No data available.

Additional information

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

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Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute;

State regulations

State RTK

MA, NJ, PA

CAS Number

64742-47-8

Chemical name

Distillates (petroleum), hydrotreated light

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NFPA Hazard codes:

Health : 2 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

Assessment of the hazard classes according to UN GHS criteria (most recent version):

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Corr./Irrit.	2	Skin corrosion/irritation
Aquatic Acute	2	Hazardous to the aquatic environment - acute

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2014/08/05

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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