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U.S. Environmental Protection Agency Office of Transportation and Air Quality Form Approval
OMB No. 2060-0150
Approval Expires 10/31/2016

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## **Fuel Additive Manufacturer Notification**

* 2. Company Name:    *   New Company   Registered	* 1. Additive (Commerc	cial Name):						•	
*A. Method of Use (Check as Appropriate):  - A. Method of Use (Check as Appropriate): - Bulk Treatment - Blended into fuel prior to being dispensed into a vehicle Aftermarket - Sold in consumer-sized containers for addition to a vehicle's fuel system.  5. Recommended Usage and Range of Concentration (Complete as appropriate. If this is an aerosol, only indicate the recommended frequency of use)  Bulk Treatment (	* 2. Company Name:							·	oany ID:
*4. Method of Use (Check as Appropriate):  Bulk Treatment - Blended into fuel prior to being dispensed into a vehicle.  Aftermarket - Sold in consumer-sized containers for addition to a vehicle's fuel system.  5. Recommended Usage and Range of Concentration (Complete as appropriate. If this is an aerosol, only indicate the recommended frequency of use)  Bulk Treatment   Range of Additive Concentration   Aftermarket   For Use In   ( ) Unit   For Use In   ( ) Unit   Highest   Lowest   Average   Unleaded Motor   Vehicle Gasoline	* 3. Street Address:					•		•	
Bulk Treatment - Blended into fuel prior to being dispensed into a vehicle.   Aftermarket - Sold in consumer-sized containers for addition to a vehicle's fuel system.	* City:	*	Country:	*	State:	* Pro	vince:	<b>*</b>	Zip:
For Use In	Bulk Treatme Aftermarket  5. Recommended Usag	ent - Blended ir - Sold in consu ge and Range o	nto fuel prior to mer-sized cont f Concentration	ainers for addit	ion to a vehic	le's fuel s	<u>*</u>		
Highest   Lowest   Average   Highest   Lowest   Average	Bulk Treatment	Range	of Additive Conce	ntration	Aftermarke	t	Range	of Additive Concer	ntration
Unleaded Motor Vehicle Gasoline  Motor Vehicle Gasoline  Motor Vehicle Gasoline  Motor Vehicle Gasoline  Motor Vehicle Diesel Fuel  Purpose-In-Use Additive component Acid neutralizer  Additive component Acid neutralizer  Motor Vehicle Additive component Acid neutralizer  Motor Vehicle Additive component Acid neutralizer  Acid neutralizer  Motor Vehicle Diesel Fuel  Purpose-In-Use Additive component Acid neutralizer  Acid neutralizer  Acid neutralizer  Motor Vehicle Diesel Fuel  Notation Acid neutralizer  Acid neutralizer  Acid neutralizer  Acid neutralizer  (a) Anti-flamant Acid neutralizer  (bb) Blended component/blend stock  Biodiesel Carrier  (ca) Carrier  (ca) Carrier  (ca) Carrier  (ca) Combustion chamber cleaner  (cp) Cloud point depressant  (dc) Detergent compound  Detergent (dd) Dilutent  (dc) Detogramer  (dd) Defoamer  (dd) Defoamer  (dd) Defoamer  (di) Dilutent  (di) Dilutent  (es) Exhaust system cleaner  (mn) Masking or odorizing agent  (es) Exhaust system cleaner  (n) Metal deactivator  (po) Pour point depressant  (ia) Identifying agent  (po) Sediment inhibitor  (po) Fuel injector cleaner  (po) Stabilizer or dispersant  (in) Intake valve cleaner  (po) Stabilizer or dispersant  (po) Sediment inhibitor  (po) Process chemical  (po) Oxygenate  (po) Process chemical	For Use In	(	)	Unit	For Use In		(		) Unit
Vehicle Gasoline   Vehicle Gasoline   Motor Vehicle   Diesel Fuel   Diesel Fuel Fuer Fuel Fuel Fuel Fuel Fuel Fuel Fuel Fuel		Highest	Lowest	Average			Highest	Lowest	Average
Diesel Fuel   Diesel Fuel Fuel Fuel Fuel Fuel Fuel Fuel Fu					1				
S. Recommended Purpose-In-Use of the fuel additive named in Item 1 (Check Appropriate Item(s)).   Gas Diesel									
Gas Diesel									
(a) Anti-icing agent/moisture absorbent   (ac) Additive component   (af) Anti-flamant   (af) Bended component/blend stock   (bd) Biodiesel   (ca) Carrier   (cc) Combustion chamber cleaner   (df) Defoamer   (ec) Emission control   (ec) Emission control   (ec) Emission control   (ef) Exhaust system cleaner   (ef) Exhaust system cleaner   (ff) Certified detergent   (ff) Certified detergent   (af) Identifying agent   (ff) Certified detergent   (af) Identifying agent   (ff) Certified detergent   (ff) Certified detergent   (ff) Intake valve cleaner   (ff) Upper cylinder lubricant   (ff) Intake valve cleaner   (ff) Upper cylinder lubricant   (ff) Upper cylinder lubricant   (ff) Upper cylinder lubricant   (ff) Oxy Oxygenate   (ff) Oxygenate				<u>e named in Ite</u>		ppropriat		In Heo	
(w) Algaecide/Bactericide/Turigicide (sw) Sweetener	(b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w)	Antiknock Antioxidant Antistall agel Antistatic age Cetane impre Combustion Corrosion inh Deposit mod Detergent Dye Gum solvent Masking or o Metal deactiv Pour point de Sediment inh Stabilizer or o Upper cylind Octane enha Flow improve Volume exte Carburetor a Algaecide/ba	nt ent over improver/monibitor lifier/control  dorizing agent vator epressant hibitor dispersant er lubricant ncer er nder nd choke clea	difier It		(af) (an) (bc) (bd) (ca) (cc) (cp) (dc) (df) (di) (ec) (es) (fr) (ia) (ic) (iv) (la) (mr) (ox) (pc) (ri) (sf)	Anti-flamant Acid neutrali Blended com Biodiesel Carrier Combustion Cloud point of Detergent con Defoamer Dilutent Emission cor Exhaust syste Certified dete Identifying a Fuel injector Intake valve Lubricity age Marker Oxygenate Process chem Rust inhibito Starting Fluid	chamber cleadepressant ompound  atrol em cleaner ergent gent cleaner cleaner ent	

a) Names of Additive Compounds or Components	C	omponent Percent		nods of nalysis	Chemical Abstrac Service No.
b) Elemental Breakdown	1	Elemental Percent		Methods of Analysis	
c) Information on the chemical process of manufactur	rer is attached.	Yes	No		
Chemical Structure - Is the chemical structure of all c	components <u>co</u>	mpletely defi	ned by the nam	nes given under It	em 7(a)?
Yes No If "No," attach separate sheet(s)	) providing the	complete str	uctures of such	components, so f	ar as they are know
Yes No Does this Additive use Nanotec	thnology?				
Impurities - If greater than 0.1% by weight, to the ext		ercent by Wei	ght		
Name of Impurities	Highest	Lowest	Average	Methods	of Analysis

•	•	analytical techniques and/or diesel fuel?	that can be	used to detect the pre	esence of this fuel additive and/or	measure its
□No	Yes	If "Yes," attach sep	arate sheet	(s) providing the inforn	nation.	
between this fu additive when	uel additive used in gasc re effects of	and gasoline and/or pline and/or diesel fu the emission produc s or systems?	diesel fuel; to el; the effects of this furporter parate shee	the identification and n ts of this fuel additive o el additive; and/or the	anisms of action of this fuel additi measurement of the emission proc on all emissions; the toxicity and a effects of the emission products of tes and a description of the test pr	ducts of this fuel any other public on the performance
* 12. Is this add	itive a relab	el of an additive curr	ently registe	ered under 40 CFR sect	ion 79?	
* No	Yes	If "Yes," enter th	e name of tl	he additive and its man	nufacturer.	
Name of re	gistered add	ditive:				
Manufactu	irer:					
* 13. Annual Pr	oduction - V	Vhat is the estimated	l annual vol	ume, in gallons, of this	additive during the third year of p	production?
Bulk:			Gallons	Aftermarket:		Gallons
	s for each st	roleum Administration ate for the aftermark			he bulk additive volume and the	

If you answered "yes" to item 12, skip to ite	m 19.				
15. Is this fuel additive derived only from conve	entional petroleum, h	eavy oil deposits, c	oal, tar sands, an	d/or oil sands	?
☐Yes ☐No					
16. Small Business Provisions - 40 CFR 79.58(d).					
A manufacturer of a baseline or non baseline at \$50 million is exempt from the Tier 1 and Tier 2 average of the previous three years annual sale believe that you qualify for an exemption, enter (Note: In cases where subsidiary, divisional, or elevel pertains is the parent company with ultimatopmost company encompassing all related particularly follows that used by the Small Business Admin eligible for an exemption.)	Phealth-effects testing es revenue is less than er below your sales rev other complex busine nate ownership. The "u arents, subsidiaries, di	g requirements. A r \$10 million is exer venue for each of the ss arrangements e ultimate" parent is visions, branches, o	manufacturer of a mpt from the Tier he previous three xist, the business defined as the up or other operating	n atypical ad 2 requirement years and the entity to whice permost hea gunits. This d	ditive whose  onts. If you e average.  The this sales dquarters or efinition
Annual sales revenue 3 years ago:	\$				
Annual sales revenue 2 years ago:	\$				
Annual sales revenue 1 year ago:	\$				
Average of above:	\$				
Name of the parent company with ultimat	ete the following:				
Street Address:					
City: State:	Province:	Zip	): 	Country:	
Contact Name:		Phone:			
Title:		Email:			
17. Aerosol - Is this an aerosol additive?					
☐No ☐Yes  If "Yes," do you claim applicability of the speci	ial provisions for agree	sol additives at 40 i	CFR 79 58(a)?		
	•				
□No □Yes If "Yes	s," attach the informat	ion required for an	aerosol additive	and skip to it	em 19.

	tion - Pursuant to 40 CFR section 79.56. If you do not qualit	fy for an aerosol or Tier 1 and Tier 2 small business
	be a member of a testing group appropriate for your fuel a	
This additive is c	overed by the following testing group:	
Group description:		
Organizing entity:		
Contact person:	Prefix: First Name:	Last Name:
Telephone:	( ) Extension:	Fax: ( )
Email:		
	Street:	
Address	City: State:	Zip: Country:
	Province:	
OR		
I have attach	ed the appropriate information.	
∐Yes	No If "No," attach an explanation.	
* 19 Confidential Rusi	iness Information - You may assert a business confidentiali	ity claim for certain items. If no claim is made, the
	nade available to the public without further notice. All que	
Do you wish to a	ssert a claim of confidentiality for any item?	
*	Yes If "Yes," indicate "Yes" or "No" for each item belo	ow:
Item 5:	Yes No Item 10: Yes No	Item 14: Yes No
Item 7:	Yes No Item 11: Yes No	Item 15: Yes No
Item 8:	Yes No Item 12: Yes No	Item 16: Yes No
Item 9:	Yes No Item 13: Yes No	Item 18: Yes No
20. Attachments - Are	attachments included with this notification?	
No`	Yes If "Yes," list below:	
No	Yes Are the attachments confidential? If"Yes," also indicate on attachments.	

## 21.Certification

To the best of my knowledge, the above is complete and correct.

I am authorized by the manufacturer to submit this notification.

As per 40 CFR 79.21(f), the U.S. Environmental Protection Agency would be notified <u>in writing</u> if certain information in this notification were to change.

This fuel additive manufacturer will not represent, directly or indirectly, in any notice, circular, letter, or other written communication, or any written, oral, or pictorial notice or other announcement in any publication or by radio or television, that registration of this fuel additive constitutes endorsement, certification, or approval by any agency of the United States.

* Name of Signer	Fi . N				
Prefix:	First Name:		Las	t Name:	
* Telephone: ( ) )	Extension:		Fax: (	)	
Title:		E-mail:			
	is the same as the signer abo	ve.			
* Contact Person: Prefix:	First Name:		Las	t Name:	
* Telephone: ( )	Extension:		Fax: (	)	
Title:		E-mail:	l		
nts:					

## Mail the completed form to:

U.S. Environmental Protection Agency William Jefferson Clinton Building Mail Code - 6405A 1200 Pennsylvania Avenue, NW Washington, DC 20460

Telephone (202) 343-9648 Fax (202) 343-2825 Email: caldwell.jim@epa.gov Email: solar.jose@epa.gov

This office is operated by a contractor for the EPA.

## or, via courier:

U.S. Environmental Protection Agency William Jefferson Clinton Building Room 6520V; (202) 343-9038 1200 Pennsylvania Ave, NW Washington, DC 20004