

The Securities and Exchange Commission has not necessarily reviewed the information in this filing and has not determined if it is accurate and complete.

The reader should not assume that the information is accurate and complete.

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM 13F

OMB APPROVAL	
OMB Number:	3235-0006
Expires:	July 31, 2015
Estimated average burden hours per response:	23.8

FORM 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: 09-30-2017

Check here if Amendment  Amendment Number:

This Amendment (Check only one.):  is a restatement.

adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: DOW CHEMICAL CO /DE/

Address: 2030 DOW CENTER

Midland, MI 48674-2030

Form 13F File Number: 028-00590

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Ronald C. Edmonds

Title: Controller and Vice President of Controllers and Tax

Phone: 989-636-5018

Signature, Place, and Date of Signing:

/s/ Ronald C. Edmonds                  Midland, MI                  11-09-2017  
[Signature]                                  [City, State]                          [Date]

Report Type (Check only one.):

13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)

13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)

13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

Form 13F Summary Page

Report Summary:

Number of Other Included Managers: 0  
Form 13F Information Table Entry Total: 25  
Form 13F Information Table Value Total: 891,168  
(thousands)

List of Other Included Managers:

Provide a numbered list of the name(s) and Form 13F file number(s) of all institutional investment managers with respect to which this report is filed, other than the manager filing this report.

[If there are no entries in this list, state "NONE" and omit the column headings and list entries.]

NONE

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**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549  
**FORM 13F**

OMB APPROVAL

OMB Number: 3235-0006  
Expires: July 31, 2015  
Estimated average burden  
hours per response: 23.8

**FORM 13F INFORMATION TABLE**

COLUMN 1 NAME OF ISSUER	COLUMN 2 TITLE OF CLASS	COLUMN 3 CUSIP	COLUMN 4 VALUE (x\$1000)	COLUMN 5 SHRS OR SH/ PRN AMT	COLUMN 6 PUT/ INVESTMENT DISCRETION	COLUMN 7 OTHER MANAGER	COLUMN 8 VOTING AUTHORITY		
							SOLE	SHARED	NONE
FLEXSHARES TR	MORNSTAR UPSTR	33939L407	13,348	428,500 SH	SOLE		428,500	0	0
FORTRESS TRANS INFRST INVS L	COM REP LTD LIAB	34960P101	61,434	3,338,482 SH	SOLE		3,338,482	0	0
JPMORGAN CHASE & CO	ALERIAN ML ETN	46625H365	55,568	1,969,090 SH	SOLE		1,969,090	0	0
POWERSHARES DB CMDTY IDX TRA	UNIT BEN INT	73935S105	11,980	777,950 SH	SOLE		777,950	0	0
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	21,851	411,893 SH	SOLE		411,893	0	0
SELECT SECTOR SPDR TR	SBI HEALTHCARE	81369Y209	5,071	62,041 SH	SOLE		62,041	0	0
SELECT SECTOR SPDR TR	SBI CONS STPLS	81369Y308	4,323	80,087 SH	SOLE		80,087	0	0
SELECT SECTOR SPDR TR	SBI MATERIALS	81369Y100	3,110	54,758 SH	SOLE		54,758	0	0
SELECT SECTOR SPDR TR	SBI CONS DISCR	81369Y407	3,846	42,694 SH	SOLE		42,694	0	0
SELECT SECTOR SPDR TR	ENERGY	81369Y506	5,233	76,420 SH	SOLE		76,420	0	0
SELECT SECTOR SPDR TR	SBI INT-FINL	81369Y605	8,293	320,691 SH	SOLE		320,691	0	0
SELECT SECTOR SPDR TR	SBI INT-INDS	81369Y704	1,581	22,263 SH	SOLE		22,263	0	0
SELECT SECTOR SPDR TR	TECHNOLOGY	81369Y803	11,872	200,888 SH	SOLE		200,888	0	0
SELECT SECTOR SPDR TR	RL EST SEL SEC	81369Y860	2,116	65,645 SH	SOLE		65,645	0	0
SPDR S&P 500 ETF TR	TR UNIT	78462F103	60,672	241,500 SH	SOLE		241,500	0	0
TETRAPHASE PHARMACEUTICALS I	COM	88165N105	445	65,000 SH	SOLE		65,000	0	0
PFENEX INC	COM	717071104	5,350	1,771,428 SH	SOLE		1,771,428	0	0
AGROFRESH SOLUTIONS	COM	00856G109	124,504	17,710,393 SH	SOLE		17,710,393	0	0
AMICUS THERAPEUTICS INC	COM	03152W109	221	14,674 SH	SOLE		14,674	0	0
ARDELYX INC	COM	039697107	10	1,798 SH	SOLE		1,798	0	0
AGROFRESH SOLUTIONS	WARRANTS	00856G117	1,650	3,000,000 SH	SOLE		3,000,000	0	0