

Ford Service Part No.	FIR No.	Ford Sales Name	Official Chemical Name	CASRN	Role/ Functional Purpose	Designated List(s)	Link to the Ford US SDS
ZC-1-A	152625	Acid Neutralizer	Water Potassium hydroxide Sodium laureth sulfate C9-11 Alcohols Ethoxylated Dipropylene glycol methyl ether Triethanolamine Tetrasodium EDTA Phosphoric acid, sodium salt (1:3) Acid blue 3	7732-18-5 1310-58-3 9004-82-4 68439-46-3 34590-94-8 102-71-6 64-02-8 7601-54-9 3536-49-0	Solvent Cleaning agent Surfactant Surfactant Solvent pH adjuster Chelating agent Cleaning agent Colorant	None None None None None None None None None	http://www.fcsdchemicalsandlubricants.com/main/msds/us152625us.pdf
ZC-2-A	152570	Alkaline Neutralizer	Water Citric acid Sodium laureth sulfate Oxalic acid Sulfuric acid Xanthan gum	7732-18-5 77-92-9 9004-82-4 144-62-7 7664-93-9 11138-66-2	Solvent Cleaning agent Surfactant Rust remover Rust remover Thickener	None None None None 20 None	http://www.fcsdchemicalsandlubricants.com/main/msds/us152570us.pdf
ZC-3-A	152626	Detail Wash	Water Sodium laureth sulfate Cocoamide DEA Dipropylene glycol methyl ether Methylchloroisothiazolinone Solvent green 7 Acid green 25	7732-18-5 9004-82-4 68603-42-9 34590-94-8 26172-55-4 6358-69-6 4403-90-1	Solvent Surfactant Surfactant/foamer Solvent Anti-bacterial Colorant Colorant	None None 1, 9 None None None None	http://www.fcsdchemicalsandlubricants.com/main/msds/us152626us.pdf
ZC-20	200950	Engine Shampoo and Degreaser	Water Butoxydiglycol Nonoxynol Butane Propane Sodium metasilicate Ammonium hydroxide Polyethylene glycol Poly(oxy-1,2-ethanediyl), α-(dionylphenyl)-ω-hydroxy-	7732-18-5 112-34-5 127087-87-0 106-97-8 74-98-6 6834-92-0 1336-21-6 25322-68-3 9014-93-1	Solvent Solvent Surfactant Propellant Propellant Buffer pH adjuster Solvent Fragrance	None None None 2 None None None None None	http://www.fcsdchemicalsandlubricants.com/main/msds/us200950us.pdf
ZC-23	019761	Ultra-Clear Spray Glass Cleaner	Water Isopropanol Butane Propane Morpholine Octoxynol	7732-18-5 67-63-0 106-97-8 74-98-6 110-91-8 9036-19-5	Solvent Solvent Propellant Propellant Solvent Surfactant	None 20 2 None None None	http://www.fcsdchemicalsandlubricants.com/main/msds/us019761us.pdf
ZC-32-B2	189646	Premium Windshield Wash Concentrate with Bitterant	Methanol Ethylene glycol Denatonium benzoate Water Acid blue 9	67-56-1 107-21-1 3734-33-6 7732-18-5 3844-45-9	Freeze point Suppressant Component of Embitterant Component of Embitterant Solvent Colorant	1,4,12,18, 20 1,12,16,18, 20 None None None	http://www.fcsdchemicalsandlubricants.com/main/msds/us189646us.pdf
ZC-32DEICER-DG	189337	Premium Windshield Deicer and Cleaner [-30 °F]	Water Methanol Ethylene glycol Diethylene Glycol Caprylyl/Capryl Glucoside Lauryl glucoside Polyoxyalkylene Substituted Chromophore (Violet) Glutaral Sulfuric acid	7732-18-5 67-56-1 107-21-1 111-46-6 68515-73-1 110615-47-9 not available 111-30-8 7664-93-9	Solvent Freeze point Suppressant Component of Embitterant Freeze point Suppressant Component of Surfactant Component of Surfactant Colorant Component of Surfactant Component of Surfactant	None 1,4,12,18, 20 1,12,16,18, 20 None None None None 8, 20 9,15, 20	http://www.fcsdchemicalsandlubricants.com/main/msds/us189337us.pdf
ZC-32M20-EG	189472	Premium Windshield Wash [-20 °F]	Water Methanol Acid blue 9	7732-18-5 67-56-1 3844-45-9	Solvent Freeze point Suppressant Colorant	None 1,4,12,18, 20 None	http://www.fcsdchemicalsandlubricants.com/main/msds/us189472us.pdf
ZC-32P20-GG	189530	Premium Windshield Wash [+20]	Water Methanol Acid blue 9	7732-18-5 67-56-1 3844-45-9	Solvent Freeze point Suppressant Colorant	None 1,4,12,18, 20 None	http://www.fcsdchemicalsandlubricants.com/main/msds/us189530us.pdf
			Water	7732-18-5	Solvent	None	

ZC-32P32-HG	189359	Premium Windshield Wash [+32 °F]	Caprylyl/Capryl Glucoside	68515-73-1	Component of Surfactant	None	http://www.fcsdchemicalsandlubricants.com/main/msds/us189359us.pdf
			Lauryl glucoside	110615-47-9	Component of Surfactant	None	
			Polyethylene glycol	25322-68-3	Component of Biocide	None	
			Acetamide, 2,2-dibromo-2-cyano-	10222-01-2	Component of Biocide	None	
			Polyalkylene glycol butyl ether	9038-95-3	Component of Antifoam	None	
			Acid blue 9	3844-45-9	Colorant	None	
			Sodium bromide	7647-15-6	Component of Biocide	None	
			Propylene glycol	57-55-6	Component of Antifoam	None	
			Glutaral	111-30-8	Component of Surfactant	8, 20	
ZC-32Z-FG	189615	Premium Windshield Wash [0 °F]	Cyclotetrasiloxane	556-67-2	Component of Antifoam	6, 7, 21	http://www.fcsdchemicalsandlubricants.com/main/msds/us189359us.pdf
			Sulfuric acid	7664-93-9	Component of Surfactant	9,15, 20	
			Water	7732-18-5	Solvent	None	
ZC-37-A	176131	Wheel and Tire Cleaner	Methanol	67-56-1	Freeze point Suppressant	1,4,12,18, 20	http://www.fcsdchemicalsandlubricants.com/main/msds/us176131us.pdf
			Acid blue 9	3844-45-9	Colorant	None	
			Water	7732-18-5	Carrier	None	
			Secondary alcohol ethoxylate	84133-50-6	Surfactant	None	
			Sodium ethylhexyl sulfate	126-92-1	Coupler	None	
			Potassium hydroxide	1310-58-3	neutralizing agent	None	
			Dodecylbenzene sulfonic acid	27176-87-0	Coupler	None	
			Dipropylene glycol methyl ether	34590-94-8	Cleaning Agent	None	
			Triethanolamine	102-71-6	neutralizing agent	None	
ZC-54	171146	Professional Strength Carpet & Upholstery Cleaner	Tetrasodium EDTA	64-02-8	Water Softener	None	http://www.fcsdchemicalsandlubricants.com/main/msds/us171146us.pdf
			Hexanoic acid, 3,5,5-trimethyl-	3302-10-1	neutralizing agent	None	
			Water	7732-18-5	carrier	None	
			Isobutane	75-28-5	propellant	2	
			Oleic Acid	112-80-1	detergent	None	
			Morpholine	110-91-8	detergent	None	
			Propoxyethanol	2807-30-9	solvent	None	
			Pine essential oil	8002-09-3	solvent	None	
			Alkylbenzene sulfonic acid	68584-22-5	surfactant	None	
			C10-16 Alkyldimethylamine Oxide	70592-80-2	surfactant	None	
			Tetrasodium EDTA	64-02-8	chelant	None	
			Isopropanol	67-63-0	solvent	20	
			Sodium metasilicate	6834-92-0	base	None	
ZC-56	191765	Premium Leather and Vinyl Cleaner	Ethanolamine	141-43-5	detergent	None	http://www.fcsdchemicalsandlubricants.com/main/msds/us191765us.pdf
			Sodium hydroxide	1310-73-2	chelant	20	
			Benzene, C10-16-alkyl derivs.	68648-87-3	surfactant	None	
			Sulfuric acid	7664-93-9	surfactant	20	
			Trisodium NTA	5064-31-3	chelant	None	
			Water	7732-18-5	Solvent	None	
ZC-56	191765	Premium Leather and Vinyl Cleaner	Sodium xylene sulfonate	1300-72-7	Coupler	None	http://www.fcsdchemicalsandlubricants.com/main/msds/us191765us.pdf
			C9-11 Alcohols Ethoxylated	68439-46-3	Surfactant	None	
			Tetrasodium iminodisuccinate	144538-83-0	Chelant	None	
			Sodium metasilicate	6834-92-0	Emulsifier	None	

List No.	Name of List from SB258	List URL
1	Chemicals known to the State of California to cause cancer or reproductive toxicity that are listed pursuant to the Safe Drinking Water and Toxic Enforcement Act of 1986 (Chapter 6.6 (commencing with Section 25249.5 of Division 20)).	https://oehha.ca.gov/proposition-65/proposition-65-list
2	Chemicals classified by the European Union as carcinogens, mutagens, or reproductive toxicants pursuant to Category 1A or 1B in Annex VI to Regulation (EC) 1272/2008.	https://echa.europa.eu/documents/10162/13562/cmr_report_en.pdf
3	Chemicals included in the European Union Candidate List of Substances of Very High Concern in accordance with Article 59 of Regulation (EC) 1907/2006 on the basis of Article 57(f) for endocrine disrupting properties.	https://echa.europa.eu/candidate-list-table
4	Chemicals for which a reference dose or reference concentration has been developed based on neurotoxicity in the federal Environmental Protection Agency's Integrated Risk Information System.	https://cfpub.epa.gov/ncea/iris/search/index.cfm?sys_joint=11
5	Chemicals that are identified as carcinogenic to humans, likely to be carcinogenic to humans, or as Group A, B1, or B2 carcinogens in the federal Environmental Protection Agency's Integrated Risk Information System.	https://cfpub.epa.gov/ncea/iris/search/index.cfm?sys_joint=11
6	Chemicals included in the European Chemicals Agency Candidate List of Substances of Very High Concern in accordance with Article 59 of Regulation (EC) 1907/2006 on the basis of Article 57(d), Article 57(e), or Article 57(f) of Regulation (EC) 1907/2006 for persistent, bioaccumulative and toxic, or very persistent and very bioaccumulative properties.	https://echa.europa.eu/candidate-list-table
7	Chemicals that are identified as persistent, bioaccumulative, and inherently toxic to the environment by the Canadian Environmental Protection Act Environmental Registry Domestic Substances List.	https://www.canada.ca/en/environment-climate-change/services/canadian-environmental-protection-act-registry/substances-list/domestic/categorization-existing.html
8	Chemicals classified by the European Union in Annex VI to Regulation (EC) 1272/2008 as respiratory sensitizer category 1.	https://echa.europa.eu/information-on-chemicals/cl-inventory-database?p_p_id=dissclinventory_WAR_dissclinventoryportlet&p_p_lifecycle=0&p_p_state=normal&p_p_mode=view&p_p_col_id=column-1&p_p_col_pos=1&p_p_col_count=2
9	Group 1, 2A, or 2B carcinogens identified by the International Agency for Research on Cancer.	https://monographs.iarc.fr/agents-classified-by-the-iarc/
10	Neurotoxicants that are identified in the federal Agency for Toxic Substances and Disease Registry's Toxic Substances Portal, Health Effects of Toxic Substances and Carcinogens, Nervous System.	https://www.atsdr.cdc.gov/substances/toxorganlisting.asp?sysid=18
11	Persistent bioaccumulative and toxic priority chemicals that are identified by the federal Environmental Protection Agency National Waste Minimization Program.	https://archive.epa.gov/epawaste/hazard/wastemin/web/html/priority.html
12	Reproductive or developmental toxicants identified in Monographs on the Potential Human Reproductive and Developmental Effects published by the federal National Toxicology Program, Office of Health Assessment and Translation.	https://ntp.niehs.nih.gov/whatwestudy/assessments/noncancer/completed/index.html
13	Chemicals identified by the federal Environmental Protection Agency's Toxics Release Inventory as Persistent, Bioaccumulative and Toxic Chemicals that are subject to reporting under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (42 U.S.C. Sec. 11001, et seq.).	https://www.epa.gov/toxics-release-inventory-tri-program/persistent-bioaccumulative-toxic-pbt-chemicals-covered-tri
14	The Washington Department of Ecology's Persistent, Bioaccumulative, Toxic (PBT) Chemicals identified in Chapter 173-333 of Title 173 of the Washington Administrative Code.	https://app.leg.wa.gov/wac/default.aspx?cite=173-333-310

15	Chemicals that are identified as known to be, or reasonably anticipated to be, human carcinogens by the 13th Report on Carcinogens prepared by the federal National Toxicology Program. Subsequent revisions to this list shall not be incorporated.	https://ntp.niehs.nih.gov/whatwestudy/assessments/cancer/index.html
16	Chemicals for which notification levels, as defined in Section 116455, have been established by the State Department of Public Health or the State Water Resources Control Board.	https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/notification_levels_response_levels_overview.pdf
17	Chemicals for which primary maximum contaminant levels have been established and adopted under Section 64431 or 64444 of Title 22 of the California Code of Regulations.	https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Lawbook.html
18	Chemicals identified as toxic air contaminants under Section 93000 or 93001 of Title 17 of the California Code of Regulations.	https://ww3.arb.ca.gov/toxics/id/taclist.htm
19	Chemicals that are identified as priority pollutants in the California water quality control plans pursuant to subdivision (c) of Section 303 of the federal Clean Water Act and in Section 131.38 of Title 40 of the Code of Federal Regulations, or identified as pollutants by the state or the federal Environmental Protection Agency for one or more water bodies in the state under subdivision (d) of Section 303 of the federal Clean Water Act and Section 130.7 of Title 40 of the Code of Federal Regulations.	https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml
20	Chemicals that are identified with noncancer endpoints and listed with an inhalation or oral reference exposure level by the Office of Environmental Health Hazard Assessment pursuant to paragraph (2) of subdivision (b) of Section 44360.	https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary
21	Chemicals identified as priority chemicals by the California Environmental Contaminant Biomonitoring Program pursuant to Section 105449.	https://biomonitoring.ca.gov/chemicals/priority-chemicals
22	Chemicals that are identified on Part A of the list of Chemicals for Priority Action prepared by the Oslo and Paris Conventions for the Protection of the Marine Environment of the North-East Atlantic.	https://www.ospar.org/work-areas/hasec/chemicals/priority-action