

## Engineered Fluids - Product Shipping Dimensions and Weights

Updated: 2023.10.09

### Product Abbreviations:

AC: AmpCool, BC: BitCool, EC: ElectroCool, SD: SubmergeDeep, VC: VoltCool, DS: Dielectric Solvent

### Standard Units

Note: Engineered Fluids products are non-hazardous and not flammable for freight carriers, except DS-100 which is non-hazardous, but flammable.

Product	Units	Description	Container		Vol		Weight of Fluid Lbs	Container Weight Lbs	Pallet Weight Lbs	Liquid Container Dimensions			Shipping Weight Lbs	Boxed Shipping Dimensions		
			Material	NMFC Class	Liters	US Gal				L(in)	W(in)	H(in)		L(in)	W(in)	H(in)
DS	1	4L F-Style Can	Steel	65.0	4.0	1.1	7.2	2.0	n/a	4.5	7.5	12.3	9.2	6.8	4.4	10.4
Note: 1 - 8 units of 4L F Cans are shipped as individual units, quantities above 8 are palletized in 48 per level up to 3 levels high for a maximum of 144 per pallet.																
DS	9	4L F-Style Can	Steel	65.0	36.0	9.5	64.8	18.0	20.0	4.5	7.5	12.3	103.0	48.0	42.0	15.0
DS	10	4L F-Style Can	Steel	65.0	40.0	10.6	72.0	20.0	20.0	4.5	7.5	12.3	112.0	48.0	42.0	15.0
DS	11	4L F-Style Can	Steel	65.0	44.0	11.6	79.2	22.0	20.0	4.5	7.5	12.3	122.0	48.0	42.0	15.0
DS	12	4L F-Style Can	Steel	65.0	48.0	12.7	86.4	24.0	20.0	4.5	7.5	12.3	131.0	48.0	42.0	15.0
DS	13	4L F-Style Can	Steel	65.0	52.0	13.7	93.6	26.0	20.0	4.5	7.5	12.3	140.0	48.0	42.0	15.0
DS	14	4L F-Style Can	Steel	65.0	56.0	14.8	100.8	28.0	20.0	4.5	7.5	12.3	149.0	48.0	42.0	15.0
DS	15	4L F-Style Can	Steel	65.0	60.0	15.9	108.0	30.0	20.0	4.5	7.5	12.3	158.0	48.0	42.0	15.0
DS	16	4L F-Style Can	Steel	65.0	64.0	16.9	115.2	32.0	20.0	4.5	7.5	12.3	168.0	48.0	42.0	15.0

Product	Units	Description	Container		Vol		Weight of Fluid Lbs	Container Weight Lbs	Pallet Weight Lbs	Container Dimensions			Shipping Weight Lbs	Shipping Dimensions		
			Material	NMFC Class	Liters	US Gal				L(in)	W(in)	H(in)		L(in)	W(in)	H(in)
DS	1	20L Steel Round Bucket	Steel	55.0	20.0	5.3	36.4	2.7	n/a	12.0	12.0	15.0	39.1	12.5	12.5	15.0
Note: 1 - 8 units of 20L Steel Round Buckets are shipped as individual units, quantities above 8 are palletized in 9 per level up to 3 levels high for a maximum of 27 per pallet.																
DS	9	9x 20L Steel Round Bucket	Steel	55.0	180.0	47.6	327.2	24.3	20.0	12.0	12.0	15.0	371.0	48.0	42.0	20.0
DS	10	10x 20L Steel Round Bucket	Steel	55.0	200.0	52.8	363.5	27.0	20.0	12.0	12.0	15.0	411.0	48.0	42.0	20.0
DS	11	11x 20L Steel Round Bucket	Steel	55.0	220.0	58.1	399.9	29.7	20.0	12.0	12.0	15.0	450.0	48.0	42.0	20.0
DS	12	12x 20L Steel Round Bucket	Steel	55.0	240.0	63.4	436.2	32.4	20.0	12.0	12.0	15.0	489.0	48.0	42.0	40.0
DS	13	13x 20L Steel Round Bucket	Steel	55.0	260.0	68.7	472.6	35.1	20.0	12.0	12.0	15.0	528.0	48.0	42.0	40.0
DS	14	14x 20L Steel Round Bucket	Steel	55.0	280.0	74.0	508.9	37.8	20.0	12.0	12.0	15.0	567.0	48.0	42.0	40.0

Product	Units	Description	Container		Vol		Weight of Fluid Lbs	Container Weight Lbs	Pallet Weight Lbs	Container Dimensions			Shipping Weight Lbs	Shipping Dimensions		
			Material	NMFC Class	Liters	US Gal				L(in)	W(in)	H(in)		L(in)	W(in)	H(in)
BC	1	20L Plastic Round Bucket	HPDE	55.0	20.0	5.3	36.4	1.7	n/a	12.0	12.0	15.5	38.1	13.0	13.0	16.0
Note: 1 - 8 units of 20L Plastic Round Buckets are shipped as individual units, quantities above 8 are palletized, 9 per level up to 3 levels high for a maximum of 27 per pallet.																
BC	9	9x 20L Plastic Round Bucket	HPDE	55.0	180.0	47.6	327.2	15.3	20.0	10.0	10.0	15.5	362.0	48.0	42.0	21.0
BC	10	10x 20L Plastic Round Bucket	HPDE	55.0	200.0	52.8	363.5	17.0	20.0	10.0	10.0	15.5	401.0	48.0	42.0	40.0
BC	11	11x 20L Plastic Round Bucket	HPDE	55.0	220.0	58.1	399.9	18.7	20.0	10.0	10.0	15.5	439.0	48.0	42.0	40.0
BC	12	12x 20L Plastic Round Bucket	HPDE	55.0	240.0	63.4	436.2	20.4	20.0	10.0	10.0	15.5	477.0	48.0	42.0	40.0
BC	13	13x 20L Plastic Round Bucket	HPDE	55.0	260.0	68.7	472.6	22.1	20.0	10.0	10.0	15.5	515.0	48.0	42.0	40.0
BC	14	14x 20L Plastic Round Bucket	HPDE	55.0	280.0	74.0	508.9	23.8	20.0	10.0	10.0	15.5	553.0	48.0	42.0	40.0
BC	15	15x 20L Plastic Round Bucket	HPDE	55.0	300.0	79.3	545.3	25.5	20.0	10.0	10.0	15.5	591.0	48.0	42.0	40.0
BC	16	16x 20L Plastic Round Bucket	HPDE	55.0	320.0	84.5	581.6	27.2	20.0	10.0	10.0	15.5	629.0	48.0	42.0	40.0
BC	17	17x 20L Plastic Round Bucket	HPDE	55.0	340.0	89.8	618.0	28.9	20.0	10.0	10.0	15.5	667.0	48.0	42.0	40.0
BC	18	18x 20L Plastic Round Bucket	HPDE	55.0	360.0	95.1	654.3	30.6	20.0	10.0	10.0	15.5	705.0	48.0	42.0	40.0
BC	19	19x 20L Plastic Round Bucket	HPDE	55.0	380.0	100.4	690.7	32.3	20.0	10.0	10.0	15.5	743.0	48.0	42.0	40.0
BC	20	20x 20L Plastic Round Bucket	HPDE	55.0	400.0	105.7	727.0	34.0	20.0	10.0	10.0	15.5	781.0	48.0	42.0	40.0

Product	Units	Description	Container		Vol		Weight of Fluid Lbs	Container Weight Lbs	Pallet Weight Lbs	Container Dimensions			Shipping Weight Lbs	Shipping Dimensions		
			Material	NMFC Class	Liters	US Gal				L(in)	W(in)	H(in)		L(in)	W(in)	H(in)
AC / EC / SD	1	20L Plastic Tight Head	HPDE	55.0	20.0	5.3	36.4	1.7	n/a	10.0	10.0	15.5	38.1	10.5	10.5	16.0
Note: 1 - 8 units of 20L Plastic Tight Heads are shipped as individual units, quantities above 8 are palletized, 16 per level up to 3 levels high for a maximum of 48 per pallet.																
AC / EC / SD	9	9x 20L Plastic Tight Head	HPDE	55.0	180.0	47.6	327.2	15.3	20.0	10.0	10.0	15.5	362.0	48.0	42.0	21.0
AC / EC / SD	10	10x 20L Plastic Tight Head	HPDE	55.0	200.0	52.8	363.5	17.0	20.0	10.0	10.0	15.5	401.0	48.0	42.0	21.0
AC / EC / SD	11	11x 20L Plastic Tight Head	HPDE	55.0	220.0	58.1	399.9	18.7	20.0	10.0	10.0	15.5	439.0	48.0	42.0	21.0
AC / EC / SD	12	12x 20L Plastic Tight Head	HPDE	55.0	240.0	63.4	436.2	20.4	20.0	10.0	10.0	15.5	477.0	48.0	42.0	21.0
AC / EC / SD	13	13x 20L Plastic Tight Head	HPDE	55.0	260.0	68.7	472.6	22.1	20.0	10.0	10.0	15.5	515.0	48.0	42.0	21.0
AC / EC / SD	14	14x 20L Plastic Tight Head	HPDE	55.0	280.0	74.0	508.9	23.8	20.0	10.0	10.0	15.5	553.0	48.0	42.0	21.0
AC / EC / SD	15	15x 20L Plastic Tight Head	HPDE	55.0	300.0	79.3	545.3	25.5	20.0	10.0	10.0	15.5	591.0	48.0	42.0	21.0
AC / EC / SD	16	16x 20L Plastic Tight Head	HPDE	55.0	320.0	84.5	581.6	27.2	20.0	10.0	10.0	15.5	629.0	48.0	42.0	21.0
AC / EC / SD	17	17x 20L Plastic Tight Head	HPDE	55.0	340.0	89.8	618.0	28.9	20.0	10.0	10.0	15.5	667.0	48.0	42.0	40.0
AC / EC / SD	18	18x 20L Plastic Tight Head	HPDE	55.0	360.0	95.1	654.3	30.6	20.0	10.0	10.0	15.5	705.0	48.0	42.0	40.0
AC / EC / SD	19	19x 20L Plastic Tight Head	HPDE	55.0	380.0	100.4	690.7	32.3	20.0	10.0	10.0	15.5	743.0	48.0	42.0	40.0
AC / EC / SD	20	20x 20L Plastic Tight Head	HPDE	55.0	400.0	105.7	727.0	34.0	20.0	10.0	10.0	15.5	781.0	48.0	42.0	40.0

Product	Units	Description	Container		Vol		Weight of Fluid Lbs	Container Weight Lbs	Pallet Weight Lbs	Container Dimensions			Shipping Weight Lbs	Shipping Dimensions		
			Material	NMFC Class	Liters	US Gal				L(in)	W(in)	H(in)		L(in)	W(in)	H(in)
All	1	1x 200L Steel Drum on Pallet	Steel	50.0	200.0	55.0	378.0	42.0	20.0	n/a	23.0	35.0	440.0	36.0	36.0	40.0
All	2	2x 200L Steel Drum on Pallet	Steel	50.0	400.0	110.0	756.0	84.0	20.0	n/a	23.0	35.0	860.0	36.0	36.0	40.0
All	3	3x 200L Steel Drum on Pallet	Steel	50.0	600.0	165.0	1134.0	126.0	20.0	n/a	23.0	35.0	1280.0	48.0	42.0	40.0
All	4	4x 200L Steel Drum on Pallet	Steel	50.0	800.0	220.0	1512.0	168.0	20.0	n/a	23.0	35.0	1700.0	48.0	42.0	40.0
All	1	1000L IBC Tote	HPDE / Aluminum	50.0	1000.0	265.0	1817.5	183.0	n/a	48.0	40.0	46.0	2000.0	48.0	40.0	46.0

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### Standard Units

Note: Engineered Fluids products are non-hazardous and not flammable for freight carriers, except DS-100 which is non-hazardous, but flammable.

Product	Units	Description	Container		Vol Liters	Vol US Gal	Weight of Fluid kg	Container Weight		Pallet Weight kg	Liquid Container Dimensions			Shipping Weight kg	Boxed Shipping Dimensions		
			Material	NMFC Class				kg	kg		L(cm)	W(cm)	H(cm)		L(cm)	W(cm)	H(cm)
DS	1	4L F-Style Can	Steel	65.0	4.0	1.1	3.3	0.9	n/a		11.4	19.1	31.1	4.2	17.1	11.1	26.4
Note: 1 - 8 units of 4L F Cans are shipped as individual units, quantities above 8 are palletized in 48 per level up to 3 levels high for a maximum of 144 per pallet.																	
DS	9	4L F-Style Can	Steel	65.0	36.0	9.5	29.4	8.2	9.1		11.4	19.1	31.1	47.0	121.9	106.7	38.1
DS	10	4L F-Style Can	Steel	65.0	40.0	10.6	32.7	9.1	9.1		11.4	19.1	31.1	51.0	121.9	106.7	38.1
DS	11	4L F-Style Can	Steel	65.0	44.0	11.6	35.9	10.0	9.1		11.4	19.1	31.1	56.0	121.9	106.7	38.1
DS	12	4L F-Style Can	Steel	65.0	48.0	12.7	39.2	10.9	9.1		11.4	19.1	31.1	60.0	121.9	106.7	38.1
DS	13	4L F-Style Can	Steel	65.0	52.0	13.7	42.5	11.8	9.1		11.4	19.1	31.1	64.0	121.9	106.7	38.1
DS	14	4L F-Style Can	Steel	65.0	56.0	14.8	45.7	12.7	9.1		11.4	19.1	31.1	68.0	121.9	106.7	38.1
DS	15	4L F-Style Can	Steel	65.0	60.0	15.9	49.0	13.6	9.1		11.4	19.1	31.1	72.0	121.9	106.7	38.1
DS	16	4L F-Style Can	Steel	65.0	64.0	16.9	52.3	14.5	9.1		11.4	19.1	31.1	76.0	121.9	106.7	38.1

Product	Units	Description	Container		Vol Liters	Vol US Gal	Weight of Fluid kg	Container Weight		Pallet Weight kg	Container Dimensions			Shipping Weight kg	Shipping Dimensions		
			Material	NMFC Class				kg	kg		L(cm)	W(cm)	H(cm)		L(cm)	W(cm)	H(cm)
DS	1	20L Steel Round Bucket	Steel	55.0	20.0	5.3	16.5	1.2	n/a		30.5	30.5	38.1	17.7	31.8	31.8	38.1
Note: 1 - 8 units of 20L Steel Round Buckets are shipped as individual units, quantities above 8 are palletized in 9 per level up to 3 levels high for a maximum of 27 per pallet.																	
DS	9	9x 20L Steel Round Bucket	Steel	55.0	180.0	47.6	148.4	11.0	9.1		30.5	30.5	38.1	169.0	121.9	106.7	50.8
DS	10	10x 20L Steel Round Bucket	Steel	55.0	200.0	52.8	164.9	12.2	9.1		30.5	30.5	38.1	186.0	121.9	106.7	50.8
DS	11	11x 20L Steel Round Bucket	Steel	55.0	220.0	58.1	181.4	13.5	9.1		30.5	30.5	38.1	204.0	121.9	106.7	50.8
DS	12	12x 20L Steel Round Bucket	Steel	55.0	240.0	63.4	197.9	14.7	9.1		30.5	30.5	38.1	222.0	121.9	106.7	101.6
DS	13	13x 20L Steel Round Bucket	Steel	55.0	260.0	68.7	214.3	15.9	9.1		30.5	30.5	38.1	239.0	121.9	106.7	101.6
DS	14	14x 20L Steel Round Bucket	Steel	55.0	280.0	74.0	230.8	17.1	9.1		30.5	30.5	38.1	257.0	121.9	106.7	101.6

Product	Units	Description	Container		Vol Liters	Vol US Gal	Weight of Fluid kg	Container Weight		Pallet Weight kg	Container Dimensions			Shipping Weight kg	Shipping Dimensions		
			Material	NMFC Class				kg	kg		L(cm)	W(cm)	H(cm)		L(cm)	W(cm)	H(cm)
BC	1	20L Plastic Round Bucket	HPDE	55.0	20.0	5.3	16.5	0.8	n/a		30.5	30.5	39.4	17.3	33.0	33.0	40.6
Note: 1 - 8 units of 20L Plastic Round Bucket are shipped as individual units, quantities above 8 are palletized, 9 per level up to 3 levels high for a maximum of 27 per pallet.																	
BC	9	9x 20L Plastic Round Bucket	HPDE	55.0	180.0	47.6	148.4	6.9	9.1		10.0	10.0	39.4	164.0	121.9	106.7	53.3
BC	10	10x 20L Plastic Round Bucket	HPDE	55.0	200.0	52.8	164.9	7.7	9.1		10.0	10.0	39.4	182.0	121.9	106.7	101.6
BC	11	11x 20L Plastic Round Bucket	HPDE	55.0	220.0	58.1	181.4	8.5	9.1		10.0	10.0	39.4	199.0	121.9	106.7	101.6
BC	12	12x 20L Plastic Round Bucket	HPDE	55.0	240.0	63.4	197.9	9.3	9.1		10.0	10.0	39.4	216.0	121.9	106.7	101.6
BC	13	13x 20L Plastic Round Bucket	HPDE	55.0	260.0	68.7	214.3	10.0	9.1		10.0	10.0	39.4	233.0	121.9	106.7	101.6
BC	14	14x 20L Plastic Round Bucket	HPDE	55.0	280.0	74.0	230.8	10.8	9.1		10.0	10.0	39.4	251.0	121.9	106.7	101.6
BC	15	15x 20L Plastic Round Bucket	HPDE	55.0	300.0	79.3	247.3	11.6	9.1		10.0	10.0	39.4	268.0	121.9	106.7	101.6
BC	16	16x 20L Plastic Round Bucket	HPDE	55.0	320.0	84.5	263.8	12.3	9.1		10.0	10.0	39.4	285.0	121.9	106.7	101.6
BC	17	17x 20L Plastic Round Bucket	HPDE	55.0	340.0	89.8	280.3	13.1	9.1		10.0	10.0	39.4	303.0	121.9	106.7	101.6
BC	18	18x 20L Plastic Round Bucket	HPDE	55.0	360.0	95.1	296.8	13.9	9.1		10.0	10.0	39.4	320.0	121.9	106.7	101.6
BC	19	19x 20L Plastic Round Bucket	HPDE	55.0	380.0	100.4	313.3	14.7	9.1		10.0	10.0	39.4	337.0	121.9	106.7	101.6
BC	20	20x 20L Plastic Round Bucket	HPDE	55.0	400.0	105.7	329.8	15.4	9.1		10.0	10.0	39.4	354.0	121.9	106.7	101.6

Product	Units	Description	Container		Vol Liters	Vol US Gal	Weight of Fluid kg	Container Weight		Pallet Weight kg	Container Dimensions			Shipping Weight kg	Shipping Dimensions		
			Material	NMFC Class				kg	kg		L(cm)	W(cm)	H(cm)		L(cm)	W(cm)	H(cm)
AC / EC / SD	1	20L Plastic Tight Head	HPDE	55.0	20.0	5.3	16.5	0.8	n/a		25.4	25.4	39.4	17.3	26.7	26.7	40.6
Note: 1 - 8 units of 20L Plastic Tight Heads are shipped as individual units, quantities above 8 are palletized, 16 per level up to 3 levels high for a maximum of 48 per pallet.																	
AC / EC / SD	9	9x 20L Plastic Tight Head	HPDE	55.0	180.0	47.6	148.4	6.9	9.1		10.0	10.0	39.4	164.0	121.9	106.7	53.3
AC / EC / SD	10	10x 20L Plastic Tight Head	HPDE	55.0	200.0	52.8	164.9	7.7	9.1		10.0	10.0	39.4	182.0	121.9	106.7	53.3
AC / EC / SD	11	11x 20L Plastic Tight Head	HPDE	55.0	220.0	58.1	181.4	8.5	9.1		10.0	10.0	39.4	199.0	121.9	106.7	53.3
AC / EC / SD	12	12x 20L Plastic Tight Head	HPDE	55.0	240.0	63.4	197.9	9.3	9.1		10.0	10.0	39.4	216.0	121.9	106.7	53.3
AC / EC / SD	13	13x 20L Plastic Tight Head	HPDE	55.0	260.0	68.7	214.3	10.0	9.1		10.0	10.0	39.4	233.0	121.9	106.7	53.3
AC / EC / SD	14	14x 20L Plastic Tight Head	HPDE	55.0	280.0	74.0	230.8	10.8	9.1		10.0	10.0	39.4	251.0	121.9	106.7	53.3
AC / EC / SD	15	15x 20L Plastic Tight Head	HPDE	55.0	300.0	79.3	247.3	11.6	9.1		10.0	10.0	39.4	268.0	121.9	106.7	53.3
AC / EC / SD	16	16x 20L Plastic Tight Head	HPDE	55.0	320.0	84.5	263.8	12.3	9.1		10.0	10.0	39.4	285.0	121.9	106.7	53.3
AC / EC / SD	17	17x 20L Plastic Tight Head	HPDE	55.0	340.0	89.8	280.3	13.1	9.1		10.0	10.0	39.4	303.0	121.9	106.7	101.6
AC / EC / SD	18	18x 20L Plastic Tight Head	HPDE	55.0	360.0	95.1	296.8	13.9	9.1		10.0	10.0	39.4	320.0	121.9	106.7	101.6
AC / EC / SD	19	19x 20L Plastic Tight Head	HPDE	55.0	380.0	100.4	313.3	14.7	9.1		10.0	10.0	39.4	337.0	121.9	106.7	101.6
AC / EC / SD	20	20x 20L Plastic Tight Head	HPDE	55.0	400.0	105.7	329.8	15.4	9.1		10.0	10.0	39.4	354.0	121.9	106.7	101.6

Product	Units	Description	Container		Vol Liters	Vol US Gal	Weight of Fluid kg	Container Weight		Pallet Weight kg	Container Dimensions			Shipping Weight kg	Shipping Dimensions		
			Material	NMFC Class				kg	kg		L(cm)	W(cm)	H(cm)		L(cm)	W(cm)	H(cm)
All	1	1x 200L Steel Drum on Pallet	Steel	50.0	200.0	55.0	171.5	19.1	9.1		n/a	58.4	88.9	199.6	91.4	91.4	101.6
All	2	2x 200L Steel Drum on Pallet	Steel	50.0	400.0	110.0	342.9	38.1	9.1		n/a	58.4	88.9	390.1	91.4	91.4	101.6
All	3	3x 200L Steel Drum on Pallet	Steel	50.0	600.0	165.0	514.4	57.2	9.1		n/a	58.4	88.9	580.6	121.9	106.7	101.6
All	4	4x 200L Steel Drum on Pallet	Steel	50.0	800.0	220.0	685.8	76.2	9.1		n/a	58.4	88.9	771.1	121.9	106.7	101.6
All	1	1000L IBC Tote	HPDE / Aluminum	50.0	1000.0	265.0	824.4	83.0	n/a		121.9	101.6	116.8	2000.0	121.9	101.6	116.8