

Product Name: M-145 Heat-Set Offset Ink

Substrates Marked

Preferred: Aluminum, Epoxy and Glass
Acceptable: Brass, Copper, Iron, Steel, Tin, Acetate, Mylar, Polycarbonate, Ceramic, Fabric Paper and Wood

Product Specifications/Characteristics

UN Number	N/A	Flash Point	153° F (67°C)
Type	Offset	Recommended Storage	32°- 90° F (0°C – 32.2°C)
Colorant	Pigment	Shelf Life	3 months
Viscosity	Semi-Paste	Package	Vapor barrier polyethylene
Drying Time	30 seconds	Unit	See chart below
Open Time	4-6 hours	Density	See chart below
DOT Regulations	N/A	RCRA Waste Number	N/A
VOC	See chart below	Thinner	#7 (fast) or #3 (slow)
SDS Sheet Numbers	See chart below	Cleaner	#1
HMIS Rating	2*-2-0	NFPA Rating	2-2-0
Carcinogen	Bright Silver, Cad-Free Red, Silver	Specific Gravity	See chart below

Description/Special Properties

Good adhesion and opacity. It can be thermoset by heating to a temperature of 320° F (160° C) for 30 minutes. The exact time is dependent upon the material being marked. It has excellent resistance to abrasion, heat, water, and various chemicals after thermosetting. (See M-369 for longer shelf life heat-set ink.) (See M-392 for slow drying version heat-set ink.) This ink was designed and tested to meet solvent resistance sections of MIL 883 when applied and cured properly. Also meets the following specs: MIL-E-1E, MIL-STD-202; MIL-E-5272C.

Application/Compatibility

Printhead: Doctored Ink Roll and Platen Brayer
Rubber Compounds: R-200, R-300 and R-500

Formulations Available

Color	Item Number	Unit of Measure	VOC	Density	Specific Gravity	SDS Number
Black	71000537	Case of 6 x 0.25 Liter Bottles	506 g/l	9.31 lbs/gal	1.117	5287
Bright Silver	71000543	Case of 6 x 0.25 Liter Bottles	634 g/l	8.90 lbs/gal	1.069	5290
Cad-Free MD Red	71000555	Case of 6 x 0.25 Liter Bottles	469 g/l	9.19 lbs/gal	1.103	5292
Cad-Free Red	71000547	Case of 6 x 0.25 Liter Bottles	485 g/l	9.02 lbs/gal	1.083	5293
Clear	71000536	Case of 6 x 0.25 Liter Bottles	566 g/l	8.65 lbs/gal	1.039	5294
Dark Blue	71000538	Case of 6 x 0.25 Liter Bottles	528 g/l	8.96 lbs/gal	1.075	5334

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Color	Item Number	Unit of Measure	VOC	Density	Specific Gravity	SDS Number
Gold	71000542	Case of 6 x 0.25 Liter Bottles	548 g/l	10.37 lbs/gal	1.244	5335
Grey	71000545	Case of 6 x 0.25 Liter Bottles	456 g/l	12.81 lbs/gal	1.538	5295
Light Blue	71000539	Case of 6 x 0.25 Liter Bottles	468 g/l	11.84 lbs/gal	1.421	5354
Mid Blue	71000540	Case of 6 x 0.25 Liter Bottles	469 g/l	11.68 lbs/gal	1.402	5356
NL Brown	71000552	Case of 6 x 0.25 Liter Bottles	464 g/l	10.16 lbs/gal	1.220	5362
NL Dark Green	71000548	Case of 6 x 0.25 Liter Bottles	507 g/l	9.59 lbs/gal	1.152	5363
NL Orange	71000550	Case of 6 x 0.25 Liter Bottles	479 g/l	10.57 lbs/gal	1.269	5366
NL PH Green	71000554	Case of 6 x 0.25 Liter Bottles	498 g/l	10.39 lbs/gal	1.247	5368
NL Yellow	71000551	Case of 6 x 0.25 Liter Bottles	507 g/l	10.18 lbs/gal	1.223	5358
NL Yellow-Green	71000553	Case of 6 x 0.25 Liter Bottles	491 g/l	10.20 lbs/gal	1.224	5369
Silver	71000546	Case of 6 x 0.25 Liter Bottles	553 g/l	8.93 lbs/gal	1.072	5372
Violet	71000544	Case of 6 x 0.25 Liter Bottles	474 g/l	11.58 lbs/gal	1.390	5374
White	71000541	Case of 6 x 0.25 Liter Bottles	457 g/l	12.93 lbs/gal	1.522	5375

A Safety Data Sheet is furnished with every order.

Original Date: November 26, 2012

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