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TB20656 K56407

Hostmann-Steinberg



Material Safety Data

U.S. Version

Information on this form is proprietary and furnished solely for the use of our customers. This information applies only to wet, bulk ink.				SEVERITY OF HAZARD: minimal, 0; slight, 1; moderate, 2; serious, 3; severe, 4.			
SECTION 1: PRODUCT IDENTIFICATION							
PRODUCT GROUP: Inkredible Sheeted Process Inks, Yellow, Magenta, Cyan and Black							
IDENTIFICATION CODES: Perfexion (F 10 PX), Surprise (F 10 SP), Impression (F 10 IP), Reflecta (F 10 RL), Resistat (E 10 R6), Rapida (F 10 RP)							
MANUFACTURER (CORPORATE): Hostmann-Steinberg Limited, 12 Shaftsbury Lane, Brampton, Ontario, Canada, L6T 9X7 For Emergencies & Information Call: 905-793-9070							
SECTION 2: HAZARDOUS INGREDIENTS							
INGREDIENT	C.A.S. NUMBER	CONCENTRATION	EXPOSURE LIMITS				
Hydrotreated Petroleum Distillates		See section 10	ACGIH TLV	OSHA PEL			
			5 mg/m ³	< mist >	5 mg/m ³		
SECTION 3: PHYSICAL DATA							
BOILING POINT	> 484 F	APPEARANCE	paste		EVAPORATION RATE	Slower than butyl acetate	
MELTING POINT	not available	ODOR	oleoresinous		SOLUBILITY	Negligible in water	
VAPOR DENSITY	> air	VAPOR PRESSURE	0.05mm @ 70 F				
SECTION 4: FIRE & EXPLOSION DATA							
FLAMMABILITY	Not combustible or flammable under normal operating conditions			FLASH POINT	> 212 F (PMCC)		
UPPER EXPLOSION LIMIT	6.0 Vol%			LOWER EXPLOSION LIMIT	0.6 Vol%		
EXTINGUISHING MEDIA	Foam, carbon dioxide, dry powder, water fog.						
UNUSUAL FIRE AND EXPLOSION HAZARDS	May emit dense smoke if ignited. Vacuum cans may explode if exposed to extreme heat, use water spray to cool cans and prevent pressure build-up.						
SPECIAL FIRE FIGHTING PROCEDURES	Wear adequate respiratory protection. Dense smoke may be generated if product is exposed to extreme heat.						
SECTION 5: REACTIVITY							
STABILITY	Stable		CONDITIONS TO AVOID	not applicable			
INCOMPATIBLE WITH	oxidizers, mineral acids		CONDITIONS TO AVOID	not applicable			
HAZARDOUS POLYMERIZATION	will not occur		CONDITIONS TO AVOID	not applicable			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS	Burning may emit CO, CO ₂ , and organic vapours						
SECTION 6: TOXICOLOGICAL PROPERTIES							
ROUTE OF ENTRY	skin contact, eye contact		IRRITANCY	slight			
EXPOSURE LIMITS	not determined		SENSITIZATION	Not applicable			
CARCINOGENICITY	none known for lithographic paste ink mixtures NTP - no IARC - no OSHA - no						
EFFECTS OF ACUTE EXPOSURE TO MATERIAL	Excessive inhalation of vapor may cause headaches, dizziness, drowsiness and nausea.						
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL	Prolonged or repeated skin contact may cause slight irritation.						
EFFECT ON EXISTING MEDICAL CONDITIONS	May aggravate existing dermatitis or other skin problems.						
SECTION 7: FIRST AID MEASURES							
EYES	Flush with water for 15 minutes, see a physician.						
SKIN	Wash with soap and water, remove contaminated clothing.						
INHALATION	Remove to fresh air, assist with breathing if required, call a physician if breathing does not improve.						
INGESTION	Do not induce vomiting, drink plenty of water, call a physician (contains petroleum distillates).						
SECTION 8: PREVENTIVE MEASURES							
PERSONAL PROTECTIVE EQUIPMENT							
GLOVES	Optional (plastic or vinyl)		CLOTHING	Do not wash with domestic laundry.			
EYE	Optional (Chemical goggles)		RESPIRATORY	Not required.			
ENGINEERING CONTROLS	General ventilation if local ventilation is not available.						

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LEAK & SPILL PROCEDURES	Remove sources of ignition, ventilate area; scrape up with ink knives. Clean with approved cleaner. Discharge to navigable waterways or shorelines resulting in a visible surface sheen is prohibited and reportable under Section 311(b) (3) of the Federal Water Pollution Control Act (40 CFR 110).
WASTE DISPOSAL	Liquid Industrial Waste - Dispose according to local, state and federal regulations.
HANDLING & STORAGE	Store sealed container away from heat, sparks and open flames. Wash hands thoroughly before eating, drinking or using toilet facilities.
OTHER PRECAUTIONS	For industrial use only. Do not take internally. Do not transfer to unmarked containers.
SECTION 3 COMPLIANCE INFORMATION FOR SHEETED PROCESS INKS	
European Union	
94/62/EC DIRECTIVE as amended by 2005/20/EC Directive	These products do not contain Cadmium, Lead, Mercury or Hexavalent Chromium at levels above the last amended by 100 ppm total concentration. No heavy metals are deliberately added during manufacture.
2002/95/EC DIRECTIVE (RoHS) as amended by 2005/618/EC	Directive does not apply to packaging, only to electrical and electronic equipment. Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers are not deliberately added during manufacture. Incidental levels of lead, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers are below the 0.1 wt% level; cadmium is below the 0.01 wt% level.
DIRECT FOOD CONTACT	These products are not recommended for direct food contact. An impermeable barrier must be placed between the printed surface and the foodstuff.
EN 71-3-1994 / A1:2000	These products do not contain lead, antimony, arsenic, barium, cadmium, mercury or selenium at concentrations greater than the listed limits.
REGULATION 304/2003/EC, as amended BY REGULATION 776/2004/EC	These products do not intentionally contain chemicals listed in Annex 1.
U.K REGULATION 2003 No. 1941	These products do not intentionally contain chemicals listed in Annex 1.
United States	
16 CFR 1303	Regulations state that printed inks are not included in the scope. These products do not contain lead above the listed limit. Lead is not deliberately added during manufacture.
ASTM F 953-03	These products do not contain lead, antimony, arsenic, barium, cadmium, mercury or selenium at concentrations greater than the listed limits.
CALIFORNIA PROPOSITION 65	These products do not contain listed chemicals. If Carbon black is present, it is in a bound form and is not respirable.
C.O.N.E.G. / CALIFORNIA ASSEMBLY BILL 2202	These products do not contain Cadmium, Lead, Mercury or Hexavalent Chromium at levels above the stage 2 reduction level of 100 ppm total concentration. No heavy metals are deliberately added during manufacture.
DIRECT FOOD CONTACT	These products are not recommended for direct food contact. An impermeable barrier must be placed between the printed surface and the foodstuff.
O.S.H.A.	Does not contain hazardous ingredients as outlined in Regulation 29 CFR 1910.1200.(f)
SARA SECTION 313 TOXIC CHEMICALS (40 CFR 372)	See Right-to-know Chemicals listed below. Chemicals under this regulation are identified with the abbreviation G213.
T.S.C.A.	All components are either listed or are non-hazardous as outlined in the TSCA Inventory (EPA-Toxic Substances Control Act.)
U.S. CLEAN AIR ACT (1990)	These products do not contain nor are manufactured using any of Class I or Class II ozone depleting chemicals.
RIGHT TO KNOW CHEMICALS JURISDICTION	
Barium Pigment (CAS# 5160-02-1) Carbon Black (CAS# 1333-86-4) Copper Pigment Blue (CAS# 147-14-8) Copper Pigment Green (CAS# 1328-53-8) Linseed Oil (CAS# 8001-28-1)	Pennsylvania (Title 34 Chapter 323) Pennsylvania (Title 34 Chapter 323) Massachusetts (310 CMR 40.1600) Pennsylvania (Title 34 Chapter 323) Massachusetts (310 CMR 40.1600) Pennsylvania (Title 34 Chapter 323) Pennsylvania (Title 34 Chapter 323)

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CHEMICALS OF CONCERN									
Isopropylthioxanthone (ITX)	Not deliberately added during the manufacture of these products.								
2,4-Pentanedione	Not deliberately added during the manufacture of these products.								
Titanium Acetyl Acetone (TAA)	Not deliberately added during the manufacture of these products.								
Perfluorooctanoic acid (PFOA)	Not deliberately added during the manufacture of these products.								
Perfluorooctanesulfonate (PFOS)	Not deliberately added during the manufacture of these products.								
Perfluorinated Surfactants (PFT)	Not deliberately added during the manufacture of these products.								
COMPOSITION INFORMATION									
Code	VOC (wt%)		VEGETABLE OILS (wt%)			RIGHT TO KNOW CHEMICALS (wt%)			
	Including exempt solvents & water	Excluding exempt solvents & water	Linseed Oil	Soya Oil	Other Oils	Barium Pigment	Copper Pigment Blue	Copper Pigment Green	Carbon Black
41 F 10 IP	4	4	31	6	12	-	-	-	-
42 F 10 IP	4	4	23	5	17	-	-	-	-
43 F 10 IP	4	4	30	8	9	-	18	-	-
49 F 10 IP	4	4	32	1	9	-	-	-	-
41 F 10 PX	3	3	33	6	13	-	-	-	23
42 F 10 PX	3	3	24	6	16	-	-	-	-
43 F 10 PX	3	3	32	7	9	-	19	-	-
49 F 10 PX	3	3	34	1	10	-	-	-	-
41 F 10 RP	17	17	19	6	11	-	-	-	23
42 F 10 RP	19	19	13	6	14	-	-	-	-
43 F 10 RP	19	19	17	7	7	-	16	-	-
49 F 10 RP	13	13	24	1	10	-	-	-	-
41 F 10 RL	3	3	36	5	11	-	-	-	23
42 F 10 RL	3	3	30	5	16	-	-	-	-
43 F 10 RL	3	3	38	7	8	-	16	-	-
49 F 10 RL	3	3	35	1	10	-	-	-	-
41 F 10 RS	4	4	35	5	11	-	-	-	23
42 F 10 RS	4	4	29	5	11	-	-	-	-
43 F 10 RS	4	4	35	7	7	-	16	-	-
49 F 10 RS	4	4	33	1	10	-	-	-	-
41 F 10 SP	17	17	19	7	12	-	-	-	23
42 F 10 SP	16	16	11	7	16	-	-	-	-
43 F 10 SP	18	18	16	7	9	-	19	-	-
49 F 10 SP	12	12	24	1	11	-	-	-	23

All values have been calculated from formula weights, and were accurate as of June 2007.
Values are in weight per cent.

To calculate weight in pounds of VOC's, multiply the value in the "excluding exempt solvents & water" column by the weight in pounds of the ink and divide by 100. The average density of a sheetfed process ink is 8.4 lbs per gallon.

While Hostmann-Steinberg believes the information set forth herein is accurate as of the date hereof, Hostmann-Steinberg makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such information is offered solely for your consideration, investigation and verification.