41900

SB41039

Hostmann-Steinberg

Material Safety Data

huber group

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.	HEALTH 1 FLAMMABILITY 1 REACTIVITY 0
	minimal..0 slight..1 moderate..2 serious..3 severe..4

SECTION 1 - PRODUCT INFORMATION

PRODUCT GROUP:	Inkredible Sheetfed Process Inks – Yellow, Magenta, Cyan and Black
IDENTIFICATION CODES:	Perfexion (F 10 PX), Surprize (F 10 SP), Impression (F 10 IP), Reflecta (F 10 RL), Resista (F 10 RS), Rapida (F 10 RP)
MANUFACTURER: (CORPORATE)	Hostmann-Steinberg Limited, 12 Shaftsbury Lane, Brampton, Ontario, Canada, L6T 3X7 For Emergencies & Information call: 905-793-9970

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	C.A.S. NUMBER	CONCENTRATION	EXPOSURE LIMITS ACGIH TLV	EXPOSURE LIMITS OSHA PEL
Hydrotreated Petroleum Distillates	-	See section 10	5 mg/m³ < mist >	5 mg/m³

SECTION 3 - PHYSICAL DATA

BOILING POINT	>464 F	APPEARANCE	paste	EVAPORATION RATE	Slower than butyl acetate
MELTING POINT	not available	ODOR	oleoresinous		
VAPOR DENSITY	> air	VAPOR PRESSURE	0.05mm @ 70 F	SOLUBILITY	Negligible in water

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 DATA

STABILITY	Stable	CONDITIONS TO AVOID	not applicable
INCOMPATIBLE WITH	oxidizers, mineral acids		
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 - PRODUCT 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, smoking or using toilet facilities.*
OTHER PRECAUTIONS	*For industrial use only. Do not take internally. Do not transfer to unmarked containers.*
SECTION 9: COMPLIANCE INFORMATION FOR SHEETFED PROCESS INKS	
European Union	
94/62/EC DIRECTIVE last amended by 2005/20/EC Directive	*These products do not contain Cadmium, Lead, Mercury or Hexavalent Chromium at levels above the 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 775/2004/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 963-03	*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 3 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 S313.*
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)	*Pennsylvania (Title 34 Chapter 323)*
Carbon Black (CAS# 1333-86-4)	*Pennsylvania (Title 34 Chapter 323)*
Copper Pigment Blue (CAS# 147-14-8)	*Massachusetts (310 CMR 40.1600) Pennsylvania (Title 34 Chapter 323)*
Copper Pigment Green (CAS# 1328-53-6)	*Massachusetts (310 CMR 40.1600) Pennsylvania (Title 34 Chapter 323)*
Linseed Oil (CAS# 8001-26-1)	*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*	-	-	-	*23*
41 F 10 PX	3	3	*33*	*5*	*13*	-	-	-	-
42 F 10 PX	3	3	*24*	*5*	*16*	-	-	-	-
43 F 10 PX	3	3	*32*	*7*	*9*	-	*19*	-	-
49 F 10 PX	3	3	*34*	*1*	*10*	-	-	-	*23*
41 F 10 RP	17	17	*19*	*6*	*11*	-	-	-	-
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*	-	-	-	23
41 F 10 RL	3	3	*36*	*5*	*11*	-	-	-	-
42 F 10 RL	3	3	*30*	*5*	*15*	-	-	-	-
43 F 10 RL	3	3	*38*	*7*	*8*	-	16	-	-
49 F 10 RL	3	3	*35*	*1*	*10*	-	-	-	23
41 F 10 RS	4	4	*35*	*5*	*11*	-	-	-	-
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*	-	-	-	23
41 F 10 SP	17	17	19	7	12	-	-	-	-
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.

MATERIAL SAFETY DATA SHEET

GBC Industrial & Print Finishing Group

PRODUCT NAME: 8200 CLEAR

REVISION: March 24, 2003

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION OF THE PRODUCT: 8200 CLEAR

CHEMICAL FAMILY: Polyester, Ethylene Vinyl Acetate(EVA) Copolymer

PRODUCT DESCRIPTION: Polyester / EVA Laminate

SUPPLIER:
GBC Industrial & Print Finishing Group
712 West Winthrop Avenue
Addison, Illinois 60101
(630) 543-7100

EMERGENCY TELEPHONE NUMBER : (630) 543-7100

2 COMPOSITION / INFORMATION ON INGREDIENTS

3 HAZARD IDENTIFICATION

MATERIALS	FORMULA	% BY WEIGHT	CAS NUMBER	FORM	HUMAN CARCINOGEN	OSHA (a) 8-hr PEL (15-min STEL) mg/m³	OSHA 8-hr TWA (15-min STEL) mg/m³	ACGIH 8-hr TLV mg/m³
Polyethylene Terephthalate	c	25-50	25038-59-9	NA	NO	NA	NA	NA
(EVA) Copolymer	b	>49.8	24937-78-8	NA	NO	NA	NA	NA

Notes
a *For dusts without an explicit OSHA PEL, a nuisance dust PEL applies:* *15 mg/m³ total dust, 5mg/m³ respirable fraction of dust.*
b *Formula:* $[\text{-}CH_2CH_2]_n$ $[\text{-}CH_2CH(O_2CCH_3)\text{-}]_m$
c *Formula:* $R\text{-}[OC\text{-}C_6H_4\text{-}CO_2CH_2CH_2O]_n\text{-}H$

4 FIRST AID MEASURES

Eyes — *If this material contacts the eyes, immediately flush eyes thoroughly with running water for 5 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing and get medical attention immediately.*

Skin — *If this material contacts the skin, brush off excess dust and wash the affected areas with soap and large amounts of water. Get medical attention if irritation persists. Skin cuts and abrasion can be treated with standard first-aid. If molten material contacts skin, then treat affected area with cool running water for at least 5 minutes and then seek medical attention.*

5 FIRE-FIGHTING MEASURE

FLASH POINT	FLAMMABLE LIMITS	LEL	UEL
NA	Nonflammable	NA	NA

FIRE EXTINGUISHING MEDIA
Water spray from fogging nozzle, carbon dioxide, foam or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES
(Note: Individuals should perform only those fire-fighting procedures for which they have been trained.) Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with a full-face piece when there is a possibility of exposure to smoke, flames, or hazardous decomposition products. The application of high velocity water will spread the burning surface layer.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Dense smoke is emitted when burned without sufficient oxygen. Accumulation of fine dust particles may pose an explosive hazard.

MATERIAL SAFETY DATA SHEET

GBC Industrial & Print Finishing Group

6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE IF MATERIAL IS RELEASED OR SPILLED	No special precautions necessary for spills. Sweep or pick up material to prevent a slipping hazard. Wear temperature protective gloves when handling hot material. Do not allow material to enter sewers or watercourses. Spilled material can be refused or discarded.

7 HANDLING AND STORAGE

PRECAUTION BE TAKEN IN HANDLING AND STORAGE	No special hazards anticipated under conditions normally encountered in storage and handling. Use household practices to prevent accumulations of dust and keep airborne dust concentrations at a minimum. Ground all equipment and containers to prevent a static charge buildup.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE GLOVES	Advisable to avoid cuts, skin abrasions or thermal burns. Local air ventilation recommended

9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	NA	SPECIFIC GRAVITY	1.15 (H2O = 1)
VAPOR PRESSURE	NA	MELTING POINT	NA
VAPOR DENSITY	NA (Air = 1)	EVAPORATION RATE	NA (Butyl Acetate = 1)
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Translucent or clear transparent, odorless sheets of film.		

10 STABILITY AND REACTIVITY

STABILITY	Stable at room temperature.
INCOMPATIBILITY (MATERIALS TO AVOID)	Polyethylene Terephthalate is hydrolyzed by strong acids and bases, and by water at high temperatures. Polyethylene Terephthalate above 374 °F (194 °C) may produce irritating fumes. EVA may burn or react violently with fluorine-oxygen mixtures with more than 50 % fluorine.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	Thermal decomposition products may include carbon, carbon monoxide, carbon dioxide, organic acids, (acetic acids), aldehyde (formaldehyde), acrolin, organic vapors or vinyl acetate monomer.
HAZARDOUS POLYMERIZATION	Will not occur.

11 TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY — INHALATION? Dust only — SKIN? No — INGESTION? No

HEALTH HAZARDS (ACUTE and CHRONIC)	No health hazard or toxicity information exists specifically for this material. Data for major health components are given instead. For each component in this material, the percent by weight can be used as a rough guide to the component's likely significance. The components of this material have a limited potential for release under normal conditions of use, transportation and storage. Increased release may occur when the material is heated or subjected to processes which generate gasses, fumes or dusts. The specific potential for release under user's condition of handling of this material should be evaluated by the user.

Heating polyester above 374 °F (194 °C) may produce fumes that are irritating to the eyes, nose and throat; resulting in reddening, tearing and itching of the eyes; and soreness in the nose and throat, together with coughing.

MATERIAL SAFETY DATA SHEET

GBC Industrial & Print Finishing Group

INHALATION	*Low hazard for usual handling and use. Film material may cause suffocation if placed over the face. Vapors are unlikely due to physical properties. Cutting may produce dusts. Single exposure to dust is not likely to be hazardous.*
SKIN	*Essentially non-irritating to skin. Mechanical injury only. A singly prolonged skin exposure is not likely to result in material being absorbed through skin in harmful amounts.*
EYES	*No specific hazard known. However, any material that contacts the eye may cause irritation or corneal injury due to physical properties.*
INGESTION	*Ingestion of significant amounts of material is unlikely. Ingestion may cause choking if swallowed. Single dose oral toxicity is believed to be very low. Considered physiologically inert.*
UNUSUAL CHRONIC TOXICITY	*None reported.*

CARCINOGENICITY *NTP? No* *IARC MONOGRAPHS? No* *OSHA REGULATED? No*

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE *None Reported*

12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	*Disposal of waste as normal refuse. Landfill preferred. Forced draft incineration is an alternative. In the United States, this product must be disposed of in accordance with applicable federal, state, and local solid waste labeling , storage, shipping, and disposal labeled laws and regulations.*

14 TRANSPORT INFORMATION

Non-regulated commodity

15 REGULATORY INFORMATION

This product may contain the following toxic chemical(s) subject to the requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

CAS #	CHEMICAL NAME	PERCENT BY WEIGHT
----	(none)	a

a See section 3, Hazardous Ingredients/Identify Information, for percent weight.

This information must be included in all MSDSs that are copied and distributed for this material.

16 OTHER INFORMATION

This Material Safety Data Sheet should be made available by the buyer to each of the buyer's plant workers.