


MATERIAL SAFETY DATA SHEET

	Product Name	MSDS NO. 140
	Clear Guard® Pro 350	Revision Date
	Product Use	6/21/2012
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SECTION I – PRODUCT IDENTIFICATION

NAME: BUTTERFIELD COLOR, INC
ADDRESS: 625 W ILLINOIS AVE
AURORA, IL 60506
EMERGENCY PHONE: 800-424-9300
INFORMATION PHONE: 800-282-3388
PRODUCT NAME: Clear Guard® Pro 350

SECTION II – HAZARDOUS INGREDIENTS/SARA III

PORTABLE COMPONENTS	CAS NO.	VAPOR PRESSURE		WEIGHT
		Mm Hg @ TEMP F		PERCENT
DIMETHYL CARBONATE	616-38-6	34	77	40-70
SOLVENT NAPHTHALIGHT AROMATIC	64742-95-6	3	68	3-10
OSHA PEL: NOT ESTABLISHED ACGIH TWA: NOT ESTABLISHED				
1,2-PROPANEDIOL CARBONATE	108-32-7	.03	68	2-5
OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED				
NAPHTHA(PETROLEUM)HEAVY AROMATIC	64742-94-5	.62	68	2-5
OSHA PEL: 400 ppm, ACGIH TLV: NOT ESTABLISHED				
* 1,2,4-TRIMETHYLBENZENE	95-63-6	3.4	68	1-4
OSHA PEL: 25 ppm, ACGIH TWA: 25 ppm				

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. # Indicates toxic chemical(s) subject to HAPS REPORTING. The precise composition of this product is proprietary information. A more detailed disclosure will be provided by Butterfield Color, Inc. to qualified medical or industrial hygiene personnel as privileged information in need of treatment.

SECTION III – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: 194 - 468 DEG F
VOLATILE WEIGHT: 75.00%
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 2.92 LB/GAL
SOLUBILITY IN WATER: NONE
APPEARANCE AND ODOR: TYPICAL FOR SOLVENT BASED COATING

SPECIFIC GRAVITY (WATER = 1): 1.06
VOLATILE VOLUME: 76.27%
EVAPORATION RATE: SLOWER THAN ETHER
MATERIAL V.O.C.: 1.15 LB/GAL

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY HEAT, OPEN FLAME OR OTHER IGNITION SOURCES. KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

SECTION V – HEALTH HAZARD DATA


INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, WEAKNESS, DIZZINESS, FATIGUE, NAUSEA, HEADACHE AND EVEN ASPHYXIATION.

SKIN CONTACT: DIRECT CONTACT MAY CAUSE REDNESS, BURNING AND SKIN DAMAGE.

EYE CONTACT: DIRECT CONTACT OR EXPOSURE TO VAPORS OR MISTS MAY CAUSE STINGING, TEARING, REDNESS AND SWELLING.

SKIN ABSORPTION: ORGANIC SOLVENTS ARE EASILY ABSORBED, DRYING OF THE SKIN, REDNESS OR DERMATITIS ARE SIGNS OF REPEATED OR OVEREXPOSURE TO THEIR DEFATTING ACTION. PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS.

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INGESTION: WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA VOMITING, DIARRHEA, AND SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G. HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION, FATIGUE).

HEALTH HAZARDS
ACUTE EYES: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.
SKIN: CAN CAUSE MODERATE IRRITATION, DEFATTING AND DERMATITIS.
INHALATION: CAN CAUSE NASAL AND RESPIRATORY IRRITATION. ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
CHRONIC PROLONGED OR REPEATED EXPOSURE ABOVE TLV MAY RESULT IN PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (SOMETIMES CALLED PAINTERS' SYNDROME). INTENTIONAL MISUSE MAY BE HARMFUL OR FATAL.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
PERSONS WITH PRE-EXISTING SKIN DISORDERS, OR PRE-EXISTING LUNG DISORDERS MAY BE MORE SUSCEPTIBLE TO THE HEALTH HAZARDS.

SECTION VI – FIRST AID MEASURES

IF IN EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 20 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL TREATMENT.
IF ON SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
IF INHALED: MOVE VICTIM TO FRESH AIR. RESTORE BREATHING. TREAT SYMPTOMATICALLY. CONSULT A PHYSICIAN.
IF INGESTED: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.


SECTION VII – STABILITY AND REACTIVITY

STABILITY: STABLE
MATERIALS TO AVOID: STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: MAY FORM TOXIC MATERIALS, CARBON DIOXIDE, CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC. ON THERMAL DECOMPOSITION.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VII– SAFE HANDLING AND USE

CONTAINMENT/CLEAN-UP MEASURES: ELIMINATE ALL IGNITION SOURCES. DIKE, CONTAIN OR ABSORB WITH INERT MATERIALS (SAND, VERMICULITE, ETC.). TRANSFER TO CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT RUNOFF INTO SEWERS, AND BODIES OF WATER. SEE EMERGENCY RESPONSE GUIDE #131.
WASTE DISPOSAL METHOD: WASTE MATERIALS SHOULD BE DISPOSED OF BY A LICENSED WASTE DISPOSAL COMPANY. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, OR FEDERAL REGULATIONS.
STORAGE AND HANDLING PRECAUTIONS: KEEP CONTAINERS TIGHTLY CLOSED, COOL, DRY AND AWAY FROM ALL SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. AVOID INHALATION OF VAPORS AND PERSONAL CONDUCT WITH THE PRODUCT. USE GOOD HYGIENE PRACTICE. BOND AND GROUND EQUIPMENT WHEN TRANSFERRING TO ANOTHER CONTAINER.
OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. AVOID PROLONGED OR REPEATED EXPOSURE TO LEVELS ABOVE TLV. EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE VERY DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDE, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY SHIPPED TO THE SUPPLIER OR DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN ACCORDANCE WITH GOVERNMENT REGULATIONS.

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===== SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION =====



PICTOGRAMS:

EYE PROTECTION:

HAND PROTECTION:

BODY PROTECTION:

RESPIRATORY PROTECTION:

OSHA PERMITTED SAFETY GLASSES WITH SIDE SHIELDS OR SAFETY GOGGLES.

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL IS ADVISED.

IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.

IF TLV IS EXCEEDED USE NIOSH/MSHA APPROVED ORGANIC VAPOR AND MIST, SUPPLIED AIR OR SELF CONTAINED BREATHING APPARATUS. DEPENDING ON THE AIRBORNE CONCENTRATION, USE A RESPIRATOR OR GAS MASK WITH APPROPRIATE CARTRIDGES AND CANISTERS (NIOSH APPROVED, IF AVAILABLE) OR SUPPLIED AIR EQUIPMENT.

OTHER EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN.

WORK/HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING OR USING RESTROOMS. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

===== SECTION IX – DISPOSAL CONSIDERATIONS =====

PRODUCT: DISPOSE OF CONTENT AND/OR CONTAINER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PACKAGING: DISPOSE OF CONTENT AND/OR CONTAINER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

===== SECTION X – OTHER INFORMATION =====

	HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION
HMIS RATING:	3	3	0	

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. EMPLOYERS SHOULD USE THIS INFORMATION ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM AND MUST MAKE INDEPENDENT DETERMINATION OF ANY SUITABILITY AND COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE OF THESE MATERIALS AND THE SAFETY AND HEALTH OF EMPLOYEES.