



22184-XXXX

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

8.5.19

Material Name

AD MARKERS

"Articles" do not require an SDS sheet. OSHA 1910.1200 Hazard Communication Act defines an "Article" as follows:

An "article" means a manufacturing item (1) which is formed to a specific shape or design during manufacturing; (2) which has end use functions dependent in whole or in part upon its shape or design during end use; (3) which does not release or otherwise result in exposure to a hazardous chemical under normal conditions of use.

Company Information

Chartpak Inc.
1 River Road
Leeds, MA 01053
Phone: 1-800-628-1910
Fax: 1-413-587-0499
Email: info@chartpak.com

For transportation emergencies only call: 1-888-786-0972

For health emergencies call the Poison Control Center: 1-800-222-1222

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Skin Corrosion - Category 1B

Reproductive Toxicity - Category 2

Hazardous to the Aquatic Environment - Acute - Category 1

Hazardous to the Aquatic Environment - Chronic - Category 1

Skin Irritation - Category 2

Flammable Liquid 3

Eye Irritation - Category 2

GHS Label Elements**Symbol(s)****Signal Word(s)**

Danger

Hazard Statement(s)

Causes serious eye irritation Causes severe skin burns and eye damage Causes skin irritation Flammable liquid and vapour Suspected of damaging fertility. Suspected of damaging the unborn child. Very toxic to aquatic life Very toxic to aquatic life with long lasting effects

Precautionary Statement(s)**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Store locked up.

Response

Get medical advice/attention. Specific treatment (see label). Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Rinse skin with water [or shower]. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS /EC #	PEL/TLV (MG/M#)	Max % Weight	NTP	IARC
DIACETONE ALCOHOL	123-42-2	N/A	45.39000	N	N
XYLENE	1330-20-7	N/A	89.00000	N	N
NONYLPHENOL	84852-15-3	N/A	9.39000	N	N

SECTION IV - FIRST AID MEASURES

FIRST AID MEASURES: NONE REQUIRED. NO ACUTE HEALTH EFFECTS EXPECTED.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A
 EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
 EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED
 FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
 UNUSUAL FIRE & EXPLOSION HAZARDS: FLAMMABLE. FLAMMABLE
 AUTOIGNITION TEMPERATURE: N/A

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section XIII

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: NONE REQUIRED
 OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED
 WORK/HYGIENE PRACTICES: NONE REQUIRED
 ENGINEERING CONTROLS: Do not store or use near heat or flame. **KEEP OUT OF REACH OF CHILDREN.**

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
 VAPOR PRESSURE: N/A
 SPECIFIC VAPOR DENSITY (AIR=1): N/A
 SOLUBILITY IN WATER: N/A
 MELTING POINT: N/A
 SPECIFIC GRAVITY: N/A
 REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY: STABLE CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and smoke

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: NONE EXPECTED
The summated LD50 is >50000 mg/kg.

This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section III)

SECTION XII - ECOLOGICAL INFORMATION

Aquatic Hazard Statement(s)

Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S. DOT (49 CFR 172.101): Not Regulated
IATA: Not Regulated
IMDG: Not Regulated

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

EPA SARA TITLE III CHEMICAL LISTINGS:
SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):
XYLENE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
DIACETONE ALCOHOL
OLEIC ACID

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
DIACETONE ALCOHOL
XYLENE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

Diacetone alcohol
Xylene

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS HAZARDOUS SUBSTANCE LIST:

Diacetone alcohol
Xylene

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MICHIGAN'S CRITICAL MATERIALS REGISTER:

Dimethylbenzene

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

Diacetone alcohol
Dimethylbenzene

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

2-Pentanone, 4-hydroxy-4-methyl-
9-Octadecenoic acid (z)-
Benzene, dimethyl-

Under CPSC's consumer product regulations (16CFR1500.3 and 1500.14), this product has the following required acute and chronic hazard labeling

This product has been tested for accessibility of reservoir ink through abuse testing as described in 16CFR1500.53. Under this test, ink release is determined after impact, bite, torque and load testing. No ink was released with such testing: it should be treated as an article.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

LAST REVISION DATE: 12.5.18

Prepared by Duke OEM Toxicology

COLOR INFORMATION

THIS SDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

Product Color	SKU	Hazardous Ingredient
FTM 0 BLENDER 2		(NONE)
FTM 54 DARK WALNUT		(NONE)
FTM 58 DARK OAK		(NONE)
FTM 60 WALNUT/MAHOGANY		(NONE)
FTM105 ICE BLUE		(NONE)
FTM122 GRASS GREEN		(NONE)
FTM139 LIGHT OAK/MAPLE		(NONE)
FTM146 LIGHT PINE		(NONE)
FTM160 SALMON		(NONE)
FTM20 EVERGREEN		(NONE)
FTM29 LEAF GREEN		(NONE)
FTM4 ULTRA MARINE		(NONE)
FTM42 CADMIUM YELLOW		(NONE)
FTM5 TRUE BLUE		(NONE)
FTM6 PRUSSIAN BLUE		(NONE)
FTM69 DARK CHERRY		(NONE)
FTM70 MEDIUM OAK		(NONE)
FTM74 MEDIUM CHERRY		(NONE)
FTM82 CRIMSON		(NONE)
FTM85 MAROON		(NONE)
FTM86 RED MOHOGANY		(NONE)
FTM90 WINE RED		(NONE)
FTM99 BLACK-2		(NONE)
OF138 LANDMARK OAK		(NONE)
OF148 NATURAL CHERRY		(NONE)
OF54 RICHLEIGH WALNUT		(NONE)
OF58 DARK OAK		(NONE)
OF60 ROYALE WALNUT		(NONE)
OF70 HARBOR OAK		(NONE)
OF74 BRILLIANT CHERRY		(NONE)
OF99 BLACK		(NONE)
OFO BLENDER		(NONE)
P-0 ADMARKER BLENDER		(NONE)
P10 COBALT BLUE		(NONE)
P100 SUPER BLACK		(NONE)
P101 SPACE BLUE		(NONE)
P102 ELECTRIC BLUE		(NONE)
P103 SKY BLUE		(NONE)
P104 LIGHT BLUE		(NONE)
P105 ICE BLUE		(NONE)
P106 BLUE GLOW		(NONE)
P107 SAPPHIRE BLUE		(NONE)
P108 CRYSTAL BLUE		(NONE)
P11 DUTCH BLUE		(NONE)
P110 AZURE		(NONE)
P112 FROST BLUE		(NONE)
P114 AQUAMARINE		(NONE)
P115 TURQUOISE GREEN		(NONE)
P117 AQUA		(NONE)
P118 PALE LIME		(NONE)
P119 LIGHT GREEN		(NONE)
P120 WILLOW GREEN		(NONE)
P121 MINT		(NONE)
P122 GRASS GREEN		(NONE)
P126 CELERY		(NONE)
P130 PALE YELLOW		(NONE)
P132 CREAM		(NONE)

Product Color	SKU	Hazardous Ingredient
P133 MAIZE		(NONE)
P135 NAPLES YELLOW		(NONE)
P136 LIGHT IVY		(NONE)
P137 BEIGE		(NONE)
P138 LIGHT SAND		(NONE)
P139 BUFF		(NONE)
P140 SUNTAN		(NONE)
P142 SAND		(NONE)
P146 DESERT TAN		(NONE)
P147 PALE FLESH		(NONE)
P148 PALE CHERRY		(NONE)
P149 LIGHT FLESH		(NONE)
P15 PROCESS BLUE		(NONE)
P152 BLUSH		(NONE)
P153 PEACH		(NONE)
P156 SUNSET PINK		(NONE)
P16 BLUE GREEN		(NONE)
P160 SALMON		(NONE)
P161 POWDER PINK		(NONE)
P163 PINK		(NONE)
P177 MAUVE		(NONE)
P178 PURPLE SAGE		(NONE)
P179 PALE INDIGO		(NONE)
P18 SLATE GREEN		(NONE)
P180 BASIC GRAY #5		(NONE)
P181 COOL GRAY #1		(NONE)
P182 COOL GRAY #2		(NONE)
P183 COOL GRAY #3		(NONE)
P184 COOL GRAY #4		(NONE)
P185 COOL GRAY #5		(NONE)
P186 COOL GRAY #6		(NONE)
P187 COOL GRAY #7		(NONE)
P188 COOL GRAY #8		(NONE)
P189 COOL GRAY #9		(NONE)
P19 VIRIDIAN		(NONE)
P190 COOL GRAY #10		(NONE)
P191 WARM GRAY #1		(NONE)
P192 WARM GRAY #2		(NONE)
P193 WARM GRAY #3		(NONE)
P194 WARM GRAY #4		(NONE)
P195 WARM GRAY #5		(NONE)
P196 WARM GRAY #6		(NONE)
P197 WARM GRAY #7		(NONE)
P198 WARM GRAY #8		(NONE)
P20 EVERGREEN		(NONE)
P206 DEEP SALMON		(NONE)
P209 BRIGHT ORCHID		(NONE)
P21 EMERALD GREEN		(NONE)
P210 PURPLE IRIS		(NONE)
P215 VIOLET LIGHT		(NONE)
P219 DEEP EVERGREEN		(NONE)
P22 HOLLY GREEN		(NONE)
P220 DARK MINT		(NONE)
P226 BASIC GRAY #1		(NONE)
P227 BASIC GRAY #2		(NONE)
P228 BASIC GRAY #3		(NONE)
P229 BASIC GRAY #4		(NONE)
P23 SPRUCE GREEN		(NONE)
P24 DARK OLIVE		(NONE)
P25 JADE		(NONE)
P26 FOREST GREEN		(NONE)
P27 MOSS GREEN		(NONE)
P28 APPLE GREEN		(NONE)
P29 LEAF GREEN		(NONE)
P30 NILE GREEN		(NONE)
P31 OLIVE		(NONE)

Product Color	SKU	Hazardous Ingredient
P32 PALM GREEN		(NONE)
P33 LIGHT OLIVE		(NONE)
P34 PALE OLIVE		(NONE)
P35 CHROME GREEN		(NONE)
P36 CHARTREUSE		(NONE)
P37 LINDEN GREEN		(NONE)
P38 YELLOW GREEN		(NONE)
P4 ULTRAMARINE		(NONE)
P41 LEMON YELLOW		(NONE)
P42 CADMIUM YELLOW		(NONE)
P43 DARK YELLOW		(NONE)
P44 BANANA		(NONE)
P46 GOLDENROD		(NONE)
P5 TRUE BLUE		(NONE)
P50 PALE SEPIA		(NONE)
P53 DARK TAN		(NONE)
P54 WALNUT		(NONE)
P55 KRAFT BROWN		(NONE)
P56 SEPIA		(NONE)
P57 DELTA BROWN		(NONE)
P58 UMBER		(NONE)
P6 PRUSSIAN BLUE		(NONE)
P60 TOBACCO		(NONE)
P62 CHROME ORANGE		(NONE)
P64 CADMIUM ORANGE		(NONE)
P69 REDWOOD		(NONE)
P7 NAVY BLUE		(NONE)
P70 MOCHA		(NONE)
P71 BURN UMBER		(NONE)
P74 BRICK RED		(NONE)
P75 BURNT SIENNA		(NONE)
P79 CADMIUM RED		(NONE)
P80 LIFE RED		(NONE)
P81 SCARLET		(NONE)
P82 CRIMSON		(NONE)
P83 RUBY		(NONE)
P85 MAROON		(NONE)
P86 CHOCOLATE		(NONE)
P89 DEEP MAGENTA		(NONE)
P90 WINE RED		(NONE)
P92 LILAC		(NONE)
P94 VIOLET		(NONE)
P96 BLUEBERRY		(NONE)
P98 BLACK		(NONE)
P99 EXTRA BLACK		(NONE)
W100.CBC SUPER BLACK		(NONE)
W105.CBC ICE BLUE		(NONE)
W138.WBC GOLDEN MAPLE		(NONE)
W139.WBC LANDMARK MAPLE		(NONE)
W148.WBC FAIR CHERRY/PINE		(NONE)
W160.CBC SALMON		(NONE)
W179.CBC SILVER-BLUE		(NONE)
W19.CBC VIRIDIAN GREEN		(NONE)
W20.CBC EVERGREEN		(NONE)
W210.CBC ROYAL PURPLE		(NONE)
W226.CBC SILVER-GREY		(NONE)
W227.WBC DRIFTWOOD/ASH		(NONE)
W29.CBC LEAF GREEN		(NONE)
W4.CBC ULTRA MARINE		(NONE)
W42.CBC CADMIUM YELLOW		(NONE)
W46.CBC BRIGHT GOLD		(NONE)
W5.CBC TRUE BLUE		(NONE)
W50.CBC BURNISHED GOLD		(NONE)
W54.WBC RICHLEIGH WALNUT		(NONE)
W57.WBC BLACK WALNUT		(NONE)
W58.WBC DARK OAK		(NONE)

Product Color	SKU	Hazardous Ingredient
W6.CBC PRUSSIAN BLUE		(NONE)
W60.WBC ROYAL MAHOGANY		(NONE)
W64.CBC CADMIUM ORANGE		(NONE)
W69.WBC DARK CHERRY		(NONE)
W70.WBC HARBOR OAK		(NONE)
W74.WBC BRILLIANT CHERRY		(NONE)
W81.CBC SCARLET		(NONE)
W82.CBC CRIMSON		(NONE)
W85.CBC BURGANDY		(NONE)
W86.WBC MAHOGANY LUSTRE		(NONE)
W90.CBC GARNET RED		(NONE)
W99.WBC EBONY		(NONE)
WO.BBC SPLENDID BLENDER		(NONE)

BRAND NAMES

THIS SDS APPLIES TO THE FOLLOWING BRAND NAMES

Brand Name

AD MARKERS
WOOD CRAFTER'S WOOD STAIN MARKERS
FURNITURE TOUCHUP MARKERS
FRAME TOUCHUP MARKERS
AD MARKER-FINE POINT
FURNITURE MARKERS
WOODCRAFTER'S MARKERS
PICTURE FRAME MARKERS