

SAFETY DATA SHEET

8/12/2015

SECTION I - IDENTIFICATION

Material Name

SPECTRA AD MARKERS

Company Information

Chartpak Inc.
1 River Road
Leeds, MA 01053
Phone: 1-800-628-1910
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.

Serious Eye Damage - Category 1

Flammable Liquid 2

Flammable Liquid 3

GHS Label Elements

Symbol(s)



Signal Word(s)

Danger

Hazard Statement(s)

Causes serious eye damage

Precautionary Statement(s)

Prevention

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. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place.

Response

Rinse skin with water [or shower]. Take off immediately all contaminated clothing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Hazardous Ingredients | CAS/EC # | PEL/TLV (MG/M#) | Max % Weight | NTP | IARC |
|-----------------------|----------|--------------------|-----------------|-----|------|
| N-PROPANOL | 71-23-8 | N/A | 99.56400 | N | N |
| N-BUTANOL | 71-36-3 | N/A | 9.46200 | 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 AUTOIGNITION TEMPERATURE: 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: NOT COMBUSTIBLE

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: NONE REQUIRED

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: NONE
STABILITY: STABLE CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): NONE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

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

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

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): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

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

EPA SARA TITLE III CHEMICAL LISTINGS

NONE

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):

NONE

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:

BUTANOL

SUPPLEMENTAL

STATE

COMPLIANCE

INFORMATION:

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

BUTANOL

N-PROPANOL

SOLVENT

BROWN

52

DISPERSION

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

NONE

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

NONE

SECTION XVI - OTHER INFORMATION

LAST REVISION DATE: 08/12/2015

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 |
|---------------------|-----|----------------------|
| 01 ANTIQUE | | (NONE) |
| 02 ANTIQUE WHITE | | (NONE) |
| 03 GREEN APPLE | | (NONE) |
| 04 BASIC GRAY 1 | | (NONE) |
| 05 BASIC GRAY 2 | | (NONE) |
| 06 BASIC GRAY 3 | | (NONE) |
| 07 BASIC GRAY 4 | | (NONE) |
| 08 BASIC GRAY 5 | | (NONE) |
| 09 BASIC GRAY 6 | | (NONE) |
| 10 BEACH | | (NONE) |
| 11 BLACK | | (NONE) |
| 12 BRICK RED | | (NONE) |
| 13 BRIGHT BLUE | | (NONE) |
| 14 BRIGHT GREEN | | (NONE) |
| 15 BURNT ORANGE | | (NONE) |
| 16 BUTTER CREAM | | (NONE) |
| 17 CAMEL | | (NONE) |
| 18 CANARY YELLOW | | (NONE) |
| 19 CARMEL | | (NONE) |
| 20 CELEDON GREEN | | (NONE) |
| 21 CERULEAN BLUE | | (NONE) |
| 22 CHARTREUSE | | (NONE) |
| 23 COOL GRAY 10% | | (NONE) |
| 24 COOL GRAY 20% | | (NONE) |
| 25 COOL GRAY 30% | | (NONE) |
| 26 COOL GRAY 40% | | (NONE) |
| 27 COOL GRAY 50% | | (NONE) |
| 28 COOL GRAY 60% | | (NONE) |
| 29 COOL GRAY 70% | | (NONE) |
| 30 COOL GRAY 80% | | (NONE) |
| 31 COOL GRAY 90% | | (NONE) |
| 32 CORAL PINK | | (NONE) |
| 33 DARK BROWN | | (NONE) |
| 34 DARK GREEN | | (NONE) |
| 35 DARK OLIVE | | (NONE) |
| 36 DARK UMBER | | (NONE) |
| 37 GRAY LAVENDER | | (NONE) |
| 38 GREEN TOMATO | | (NONE) |
| 39 HONEY YELLOW | | (NONE) |
| 40 HORIZON BLUE | | (NONE) |
| 41 INK BLUE | | (NONE) |
| 42 LATTE | | (NONE) |
| 43 LEAF | | (NONE) |
| 44 LIGHT CERULEAN | | (NONE) |
| 45 LIGHT MAIZE | | (NONE) |
| 46 LIGHT PEACH | | (NONE) |
| 47 LIGHT PERIWINKLE | | (NONE) |
| 48 LIGHT UMBER | | (NONE) |
| 49 LILAC | | (NONE) |
| 50 LIME | | (NONE) |
| 51 MAGENTA | | (NONE) |
| 52 NAVY BLUE | | (NONE) |
| 53 OLIVE | | (NONE) |
| 54 ORANGE | | (NONE) |
| 55 PEACH | | (NONE) |
| 56 PEACH BLUSH | | (NONE) |
| 57 PERIWINKLE | | (NONE) |

| Product Color | SKU | Hazardous Ingredient |
|------------------------------|-----|----------------------|
| 58 PINK | | (NONE) |
| 59 POPPY RED | | (NONE) |
| 60 PURPLE | | (NONE) |
| 61 PUTTY | | (NONE) |
| 62 RED | | (NONE) |
| 63 ROSE PETAL | | (NONE) |
| 64 SAFFRON | | (NONE) |
| 65 SAGE GREEN | | (NONE) |
| 66 SALMON PINK | | (NONE) |
| 67 SAND | | (NONE) |
| 68 SEPIA | | (NONE) |
| 69 SHELL | | (NONE) |
| 70 SIENNA | | (NONE) |
| 71 SPICE | | (NONE) |
| 72 SPRING GREEN | | (NONE) |
| 73 STEEL BLUE | | (NONE) |
| 74 STONE | | (NONE) |
| 75 TAN | | (NONE) |
| 76 TAUPE | | (NONE) |
| 77 TEAL GREEN | | (NONE) |
| 78 TERRA COTTA | | (NONE) |
| 79 TRUE BLUE | | (NONE) |
| 80 ULTRAMARINE BLUE | | (NONE) |
| 81 VERY BERRY RED | | (NONE) |
| 82 VIOLET | | (NONE) |
| 83 WALNUT | | (NONE) |
| 84 WARM BLACK | | (NONE) |
| 85 WARM GRAY 10% | | (NONE) |
| 86 WARM GRAY 20% | | (NONE) |
| 87 WARM GRAY 30% | | (NONE) |
| 88 WARM GRAY 40% | | (NONE) |
| 89 WARM GRAY 50% | | (NONE) |
| 90 WARM GRAY 60% | | (NONE) |
| 91 WARM GRAY 70% | | (NONE) |
| 92 WARM GRAY 80% | | (NONE) |
| 93 WARM GRAY 90% | | (NONE) |
| 94 WINE | | (NONE) |
| 95 YELLOW OCHRE | | (NONE) |
| 96 COLORLESS BLENDER FOR INK | | (NONE) |

BRAND NAMES

THIS SDS APPLIES TO THE FOLLOWING BRAND NAMES

| Brand Name | SKU | SKU Description |
|-------------------|-----|-----------------|
| ADSPECTRA MARKERS | | |