

MULTISPEC[®]

Multicolor Specialties, Inc.

MATERIAL SAFETY DATA SHEET

Per OSHA-recommended ANSI Z400.1-2004 standard format &
in accordance with European standard format

DATE OF PREPARATION
May 10, 2010

1. Product and Company Identification

PRODUCT NUMBER: 8K264 (Component B)

PRODUCT: MULTISPEC 2K High
Performance (Component B)

MANUFACTURER:
MULTICOLOR SPECIALTIES, INC.
1200 Storbeck Dr. PO Box 30
Waupun, WI 53963

Telephone Numbers and Websites:

Product Information (800) 792-9505

www.multicolorpaint.com

Regulatory Information (800) 792-9505

Medical Emergency (920) 324-9505

Transportation Emergency* (800) 424-9300

*for Chemical Emergency ONLY (spill, leak, fire, exposure, or
accident)

2. Composition/Information on Ingredients

Chemical Name	CAS	Sec 313	%Wt.	OSHA PEL	ACGIH TLV
Hexamethylene diisocyanate polymer	28182-81-2		82	NE	NE
n-butyl acetate	123-86-4		18	150 ppm	150 ppm
Hexamethylene diisocyanate	822-06-0		<.0.16	NE	0.005 ppm

3. Hazards Identification

ROUTES OF EXPOSURE:

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE:

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems: the hematopoietic (blood-forming) system.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

CANCER INFORMATION:

For complete discussion of toxicology data refer to Section 11.

HMIS HAZARD RATING:

Health	Flammability	Physical Hazard	Personal Protection
2*	3	1	I
HAZARD INDEX			
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
I=Safety glasses, gloves, respirator			

4. First Aid Measures

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: If any breathing problems occur during use, **LEAVE THE AREA** and get fresh air. If problems remain or occur later, **IMMEDIATELY** get medical attention.

INGESTION: Do not induce vomiting. Get medical attention immediately.

5. Fire-fighting Methods

FLASH POINT: 72 deg F PMCC.

FLAMMABILITY CLASSIFICATION: Red Label – Flammable.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to incineration byproducts may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition. Ventilate the area. All personnel in the area should be protected as in Section 8.

Cover spill with absorbent material. Deactivate spilled material with a 10% ammonium hydroxide solution (household ammonia). After 10 minutes, collect in open containers and add more ammonia. Cover loosely. Wash spill area with soap and water. Remove with inert absorbent.

7. Handling and Storage

STORAGE CATEGORY: DOL Storage Class IB.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off

stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

8. Exposure Controls and Personal Protection

PRECAUTIONS TO BE TAKEN IN USE:

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

VENTILATION:

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION:

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. **No persons should be allowed in the area where this product is being used unless equipped with the same respirator protection recommended for the painters.**

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES:

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION:

Wear safety spectacles with unperforated sideshields.

9. Physical and Chemical Properties

Form	Thin liquid
Flash Point	72 deg F PMCC
Color	Amber clear liquid
Odor	Sweet
pH	8-10
Relative Density	1.1
Product Weight	9.15
Vapor Pressure	10 mm
Boiling Point	163 – 264 deg. F
Solubility	Partial
VOC (Material actual)	199 g/l; 1.66 lb/gal
VOC (Coating, regulatory, less water & exempts)	199 g/l; 1.66 lb/gal

10. Stability and Reactivity

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Contamination with Water, Alcohols, Amines and other compounds which react with isocyanates, may result in dangerous pressure in, and possible bursting of, closed containers..

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Incineration will produce smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, and possibility of hydrogen cyanide.

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

CHRONIC HEALTH HAZARDS:

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA:

Hexamethylen e diisocyanate polymer	28182-81-2	LC50 rat	4hr	2000 ppm
		LD50 rat	Oral	13100 mg/kg
n-butyl acetate	123-86-4	LC50 rat	4hr	Not available
		LD50 rat	Oral	Not available
Hexamethylen e diisocyanate	822-06-00	LC50 rat	4hr	Not available
		LD50 rat	Oral	738 mg/kg

12. Ecological Information

ECOTOXICOLOGICAL INFORMATION:

No data available.

13. Disposal Considerations

WASTE DISPOSAL METHOD:

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

14. Transportation Information

US Ground (DOT):

1 Gallon and Less may be Classed as CONSUMER COMMODITY, ORM-D

Larger Containers are Regulated as:

UN1263, PAINT RELATED MATERIAL, 3, PG II, (ERG#128)

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities:

n-Butyl acetate 5000 lb RQ

Bulk Containers may be Shipped as (check reportable quantities):

UN1263, PAINT RELATED MATERIAL, 3, PG II, (ERG#128)

Canada (TDG):

UN1263, PAINT RELATED MATERIAL, CLASS 3, PG II, (ERG#128)

IMO:

UN1263, PAINT RELATED MATERIAL, CLASS 3, PG II, (-4 C c.c.), EmS F-E, S-E, ADR (D/E)

15. Regulatory Information

SARA Section 313: See section 3 for chemicals marked with "X" This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community-Right-To-Know Act of 1986 and of 40 CFR 372.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): Components of this product are on the California Proposition 65 lists.

TSCA:: All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory.

16. Other Information

Notice to reader:

The information provided herein was believed by Multicolor Specialties, Inc. ("MSI") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by MSI are subject to MSI's terms and conditions of sale. MSI MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY MSI, except that the product shall conform to MSI's specifications. Nothing contained herein constitutes an offer for the sale of any product.