

Safety Data Sheet

MULTISPEC®
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1. Identification

| | | | |
|-----------------------------|--|-------------------------|--|
| Product Name: | MULTSPC 1-GL 2K HPER 05S 2K7502 | Revision Date: | 8/24/2015 |
| Product Identifier: | 2K7502 | Supersedes Date: | New SDS |
| Product Use/Class: | High Performance Coating/Part A | | |
| Supplier: | Multicolor Specialties, Inc. 1200 Storbeck Drive Waupun, WI 53963 USA | Manufacturer: | Multicolor Specialties, Inc. 1200 Storbeck Drive Waupun, WI 53963 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

5% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--|
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| Carcinogenicity, category 1B | H350 | May cause cancer. Classified as carcinogenic Category 1 on the basis of epidemiological and/or animal data. Mixtures are classified as carcinogenic when at least 1 ingredient has been classified as carcinogenic and is present at 0.1% or above. Routes of exposure are dependent on ingredient form. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|-----------|--|
| P201 | Obtain special instructions before use. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |

GHS SDS PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P363 | Wash contaminated clothing before reuse. |
|------|--|

3. Composition/Information On Ingredients

HAZARDOUS SUBSTANCES

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-----------------------|--------------------|-----------------------|
| Titanium Dioxide | 13463-67-7 | 2.5-10 | No Information | No Information |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 2.5-10 | GHS06 | H302-311-315-319-330 |
| Propanoic acid,2-methyl-,monoester with 2,2,4-trimethyl-1,3-pentanediol | 25265-77-4 | 1.0-2.5 | No Information | No Information |
| Distillates (Petroleum), Hydrotreated Heavy Naphthenic | 64742-52-5 | 0.1-1.0 | GHS08 | H350 |
| 1,2-Benzisothiazole-3(2H)-one | 2634-33-5 | <0.1 | GHS05-GHS07 | H302-315-317-318 |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: If swallowed, rinse mouth with water. If feeling unwell, get medical attention. Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F. No unusual fire or explosion hazards noted.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Weight % Less Than</u> | <u>ACGIH TLV- TWA</u> | <u>ACGIH TLV- STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL- CEILING</u> |
|---------------------------------|----------------|-------------------------------|---------------------------|----------------------------|---------------------|------------------------------|
| Titanium Dioxide | 13463-67-7 | 5.0 | 10 mg/m3 | N.E. | 15 mg/m3 | N.E. |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 5.0 | 20 ppm | N.E. | 50 ppm | N.E. |

| | | | | | | |
|---|------------|-----|------|------|------|------|
| Propanoic acid,2-methyl-,monoester with 2,2,4-trimethyl-1,3-pentanediol | 25265-77-4 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Distillates (Petroleum), Hydrotreated Heavy Naphthenic | 64742-52-5 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 1,2-Benzisothiozole-3(2H)-one | 2634-33-5 | 0.1 | N.E. | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|--|----------------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.070 | pH: | 8.0 - 10.0 |
| Freeze Point, °C: | N.D. | Viscosity: | No Information |
| Solubility in Water: | Miscible | Partition Coefficient, n-octanol/water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 0.6 - 10.6 |
| Boiling Range, °C: | -18 - 244 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--|------------------|--------------------|-------------------|
| 13463-67-7 | Titanium Dioxide | >10000 mg/kg Rat | N.I. | N.I. |
| 111-76-2 | Ethylene Glycol Monobutyl Ether | 470 mg/kg Rat | 220 mg/kg Rabbit | N.I. |
| 25265-77-4 | Propanoic acid,2-methyl-,monoester with 2,2,4-trimethyl-1,3-pentanediol | 3200 mg/kg Rat | >15200 mg/kg Rat | N.I. |
| 2634-33-5 | 1,2-Benzisothiazole-3(2H)-one | 1020 mg/kg Rat | N.I. | N.I. |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number: | N.A. | N.A. | N.A. | N.A. |
| Proper Shipping Name: | Not Regulated | Not Regulated | Not Regulated | Not Regulated |
| Hazard Class: | N.A. | N.A. | N.A. | N.A. |
| Packing Group: | N.A. | N.A. | N.A. | N.A. |
| Limited Quantity: | No | No | No | No |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|---------------------------------|----------------|
| Ethylene Glycol Monobutyl Ether | 111-76-2 |

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**HMIS RATINGS**

Health: 1 Flammability: 1 Physical Hazard: 0 Personal Protection: X

NFPA RATINGS

Health: 1 Flammability: 1 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 205

SDS REVISION DATE: 8/24/2015

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.