

Safety Data Sheet



1. Identification

Product Information: M547-64067

Product Name: DESIGNER STAIN RADIANT SERIES COPPER GAL

Recommended Use: Surface Preparation or Protection

Supplied by: Mohawk Finishing Products
Division of RPM Industrial Coatings Group
2220 US Hwy 70 SE Suite 100
Hickory, NC 28602
USA

Company Phone No: (800) 522-8266

Emergency Phone No. CHEMTREC: (800) 424-9300

International Emergency No. CHEMTREC: (703) 527-3887 (Collect calls are accepted)

2. Hazards Identification

GHS Classification

Acute Tox. 4 Inhalation, Asp. Tox. 1, Carc. 1B, Eye Irrit. 2A, Flam. Liq. 2, Muta. 1B, Skin Irrit. 2, STOT RE 2, STOT SE 3 NE

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|--|------|--|
| Flammable Liquid, category 2 | H225 | Highly flammable liquid and vapour. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2A | H319 | Causes serious eye irritation. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness. |
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration Hazard, category 1 | H304 | May be fatal if swallowed and enters airways. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|-----------|--|
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |

GHS SDS PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P210 | Keep away from heat. - No smoking. |
| P240 | Ground/Bond container and receiving equipment. |

| | |
|----------------|--|
| P241 | Use explosion-proof electrical/ ventilating/ lighting/ equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P264 | Wash face, hands and any exposed skin thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear eye protection/ face protection. |
| P331 | Do NOT induce vomiting. |
| P405 | Store locked up. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P201 | Obtain special instructions before use. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P312 | Call a POISON CENTER or doctor if you feel unwell. |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |

3. Composition/Information on ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|-----------------------------------|----------------|--------------|--------------------|--------------------------|
| n-butyl acetate | 123-86-4 | 10-25 | GHS02-GHS07 | H226-336 |
| butyl cellosolve | 111-76-2 | 10-25 | GHS06-GHS07 | H302-315-319-330 |
| methyl ethyl ketone | 78-93-3 | 10-25 | GHS02-GHS07 | H225-319-332-336 |
| petroleum distillate | 64742-48-9 | 10-25 | GHS08 | H304-340-350 |
| aromatic hydrocarbons | 64742-95-6 | 2.5-10 | GHS06-GHS08 | H304-331-340-350 |
| aliphatic petroleum distillates | 64742-47-8 | 2.5-10 | GHS07-GHS08 | H304-332 |
| ethanol | 64-17-5 | 2.5-10 | GHS02 | H225 |
| 1,2,4-trimethylbenzene | 95-63-6 | 1.0-2.5 | GHS02-GHS07 | H226-315-319-332-335 |
| toluene | 108-88-3 | 1.0-2.5 | GHS02-GHS07-GHS08 | H225-304-315-332-336-373 |
| propylene glycol monomethyl ether | 107-98-2 | 0.1-1.0 | GHS02-GHS06-GHS07 | H226-331-336 |
| cobalt compound | 70851-34-2 | 0.1-1.0 | No Information | No Information |
| crystalline silica | 14808-60-7 | 0.1-1.0 | No Information | No Information |

The exact percentage (concentration) of ingredients is being withheld as a trade secret.

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures



FIRST AID - EYE CONTACT: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

FIRST AID - SKIN CONTACT: IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

FIRST AID - INGESTION: Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

FIRST AID - INHALATION: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

5. Fire-fighting Measures

SPECIAL FIREFIGHTING PROCEDURES: Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazards while extinguishing the fire. Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

FIREFIGHTING EQUIPMENT: This is a NFPA/OSHA Class 1B or less flammable liquid. Follow NFPA30, Chapter 16 for fire protection and fire suppression. Use a dry chemical, carbon dioxide, or similar ABC fire extinguisher for incipient fires. Water may be used to cool and prevent rupture of containers that are exposed to heat from fire.

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Follow personal protective equipment recommendations found in Section VIII. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not allow the spilled product to enter public drainage system or open waterways.

7. Handling and Storage



HANDLING: Avoid inhalation and contact with eyes, skin, and clothing. Wash hands thoroughly after handling and before eating or drinking. In keeping with safe handling practices, avoid ignition sources (smoking, flames, pilot lights, electrical sparks); ground and bond containers when transferring the material to prevent static electricity sparks that could ignite vapor and use spark proof tools and explosion proof equipment. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury.

STORAGE: Keep containers closed when not in use. Store in cool well ventilated space away from incompatible materials.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
| n-butyl acetate | 50 ppm | 150 ppm | 150 ppm | N.D. |
| butyl cellosolve | 20 ppm | N.D. | 50 ppm | N.D. |
| methyl ethyl ketone | 75 ppm | 150 ppm | 200 ppm | N.D. |

| | | | | |
|-----------------------------------|-------------------------|----------|----------------------|---------|
| petroleum distillate | N.D. | N.D. | N.D. | N.D. |
| aromatic hydrocarbons | N.D. | N.D. | N.D. | N.D. |
| aliphatic petroleum distillates | N.D. | N.D. | N.D. | N.D. |
| ethanol | N.D. | 1000 ppm | 1000 ppm | N.D. |
| 1,2,4-trimethylbenzene | 10 ppm | N.D. | N.D. | N.D. |
| toluene | 20 ppm | N.D. | 200 ppm | 300 ppm |
| propylene glycol monomethyl ether | 50 ppm | 100 ppm | N.D. | N.D. |
| cobalt compound | N.D. | N.D. | N.D. | N.D. |
| crystalline silica | 0.025 mg/m ³ | N.D. | 50 µg/m ³ | N.D. |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
 Sk = Skin Sensitizer N.E. = Not Established N.D. = Not Determined

Personal Protection



RESPIRATORY PROTECTION: Use adequate engineering controls and ventilation to keep levels below recommended or statutory exposure limits. If exposure levels exceed limits use appropriate approved respiratory protection equipment.



SKIN PROTECTION: Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.



EYE PROTECTION: Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.



OTHER PROTECTIVE EQUIPMENT: No Information



HYGIENIC PRACTICES: It is good practice to avoid contact with the product and/or its vapors, mists or dust by using appropriate protective measures. Wash thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

| | | | |
|---------------------------------------|---------------------------|---|----------------|
| Appearance: | Cloudy Liquid | Physical State: | Liquid |
| Odor: | Oily Hydrocarbon | Odor Threshold: | Not Determined |
| Density, g/cm³: | 0.908 | pH: | Not Determined |
| Freeze Point, °F: | Not Determined | Viscosity: | Not Determined |
| Solubility in Water: | Not Determined | Partition Coefficient, n-octanol/ water: | Not Determined |
| Decomposition temperature, °F: | Not Determined | Explosive Limits, %: | Not Determined |
| Boiling Range, °F: | > 100 °F | Flash Point, °F: | 16 ° F |
| Combustibility: | Supports Combustion | Auto-Ignition Temperature, °F: | Not Determined |
| Evaporation Rate: | Faster than Diethyl Ether | Vapor Pressure, mmHg: | Not Determined |
| Vapor Density: | Not Determined | | |

N.I. = No Information

10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Heat, flames and sparks.

INCOMPATIBILITY: Acids, Bases, Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Not determined.

11. Toxicological information



Practical Experiences

EMERGENCY OVERVIEW: No Information

EFFECT OF OVEREXPOSURE - EYE CONTACT: No Information

EFFECT OF OVEREXPOSURE - INGESTION: No Information

EFFECT OF OVEREXPOSURE - INHALATION: No Information

EFFECT OF OVEREXPOSURE - SKIN CONTACT: No Information

CARCINOGENICITY: May cause cancer.

PRIMARY ROUTE(S) OF ENTRY:

Eye Contact, Skin Contact, Ingestion, Inhalation

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> |
|----------------|----------------------|------------------|---------------------|-------------------|
| 123-86-4 | n-butyl acetate | 14130 mg/kg Rat | >17600 mg/kg Rabbit | 23.4 mg/l Rat |

| | | | | |
|------------|-----------------------------------|-----------------|--------------------|----------------|
| 111-76-2 | butyl cellosolve | 470 mg/kg Rat | >2000 mg/kg Rabbit | >4.9 mg/l |
| 78-93-3 | methyl ethyl ketone | 2483 mg/kg Rat | 5000 mg/kg Rabbit | >20 mg/l |
| 64742-48-9 | petroleum distillate | >5000 mg/kg Rat | >3160 mg/kg Rabbit | >20 mg/L Rat |
| 64742-95-6 | aromatic hydrocarbons | 14000 mg/kg Rat | >2000 mg/kg Rabbit | >4.96 mg/l Rat |
| 64742-47-8 | aliphatic petroleum distillates | >5000 mg/kg Rat | >2000 mg/kg Rabbit | >13 mg/L Rat |
| 64-17-5 | ethanol | 7060 mg/kg Rat | 15,800 mg/kg | 124.7 mg/L Rat |
| 95-63-6 | 1,2,4-trimethylbenzene | 3280 mg/kg Rat | >3160 mg/kg Rabbit | 18 mg/L Rat |
| 108-88-3 | toluene | 2600 mg/kg Rat | 12000 mg/kg Rabbit | 12.5 mg/L Rat |
| 107-98-2 | propylene glycol monomethyl ether | 5000 mg/kg Rat | 13000 mg/kg Rabbit | >6 mg/L Rat |
| 14808-60-7 | crystalline silica | >5000 mg/kg | >5000 mg/kg | >20 mg/l Rat |

N.I. = No Information

12. Ecological information

ECOLOGICAL INFORMATION: Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits.

13. Disposal Information



Product

DISPOSAL METHOD: Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Follow personal protective equipment recommendations found in Section VIII. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not allow the spilled product to enter public drainage system or open waterways.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT: LIMITED QUANTITY
 IATA: UN1263, PAINT, 3, II
 IMDG: UN1263, PAINT, 3, II

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> | <u>Wt. %</u> |
|------------------------|----------------|--------------|
| 1,2,4-trimethylbenzene | 95-63-6 | 2.42 |
| toluene | 108-88-3 | 1.96 |

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 components exist in this product.

U.S. State Regulations:**CALIFORNIA PROPOSITION 65**

 WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Crystalline Silica, Cancer, 0.11%
Toluene, Reproductive Harm, 1.9587%

NOTICE

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in

16. Other Information

Revision Date: 7/27/2024 **Supersedes Date:** 6/14/2023

Reason for revision: Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
01 - Product Information
03 - Composition/Information on Ingredients
08 - Exposure Controls/Personal Protection
09 - Physical & Chemical Information
16 - Other Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

| | | | | | | | |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|
| Health: | 2 | Flammability: | 3 | Reactivity: | 0 | Personal Protection: | X |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|

Volatile Organic Compounds, gr/ltr: 680

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapor. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS06



GHS07



GHS08



The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.

Only the original U.S. - English version is authoritative.