



SAFETY DATA SHEET

SECTION 1 - Chemical Product and Company Information

Product Name: MEDIUM BROWN GRAINING INK Product Code: M265-0301, M265-0401

Supplied by:

Mohawk Finishing Products
Division of RPM Wood Finishes Group, Inc.
2220 US Hwy 70 SE Suite 100
Hickory, NC 28602
USA

24- Hour Emergency (Spill, Leak, Exposure or Accident):

Emergency Phone No. CHEMTREC: (800) 424-9300
International Emergency No. CHEMTREC: (703) 527-3887 (Collect calls are accepted)

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label .

SECTION 2 - Hazards Identification

GHS Ratings:

| | | |
|------------------------|--------------|--|
| Flammable liquid | 2 | Flash point < 23°C and initial boiling point > 35°C (95°F) |
| Oral Toxicity | Acute Tox. 4 | Oral>300+<=2000mg/kg |
| Skin corrosive | 2 | Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation |
| Eye corrosive | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Respiratory sensitizer | 1 | Respiratory sensitizer |
| Skin sensitizer | 1 | Skin sensitizer |
| Mutagen | 1B | Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity |
| Carcinogen | 1A | Known Human Carcinogen Based on human evidence |
| Reproductive toxin | 1A | Based on human evidence |

GHS Hazards

| | |
|------|---|
| H225 | Highly flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H360 | May damage fertility or the unborn child |

GHS Precautions

| | |
|------|--|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking |
| P233 | Keep container tightly closed |
| P240 | Ground/bond container and receiving equipment |
| P241 | Use explosion-proof electrical/ventilating/light/mixers/equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray |
| P264 | Wash any exposed skin thoroughly after handling |

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| P270 | Do not eat, drink or smoke when using this product |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P285 | In case of inadequate ventilation wear respiratory protection |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| P321 | Specific treatment (see First Aid section on this label) |
| P330 | Rinse mouth |
| P362 | Take off contaminated clothing and wash before reuse |
| P363 | Wash contaminated clothing before reuse |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P308+P313 | IF exposed or concerned: Get medical advice/attention |
| P332+P313 | If skin irritation occurs: Get medical advice/attention |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P342+P311 | Call a POISON CENTER or doctor/physician |
| P370+P378 | In case of fire: Use the NFPA Class B extinguisher for extinction |
| P405 | Store locked up |
| P403+P235 | Store in a well ventilated place. Keep cool |
| P501 | Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. |

Signal Word: **Danger**



SECTION 3 - Composition/Information on Ingredients

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|------------------------------|-----------------------------|---|
| 1-Butanol 71-36-3 40% - 50% | 100 ppm TWA; 300 mg/m3 TWA | 20 ppm TWA | NIOSH: 50 ppm Ceiling; 150 mg/m3 Ceiling |
| Ethyl alcohol 64-17-5 30% - 40% | 1000 ppm TWA; 1900 mg/m3 TWA | 1000 ppm STEL | NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA |
| Benzenesulfonic acid, 2-[[5-amino-3-methyl-1-(3-sulfophenyl)-1H-pyrazol-5-yl]azo]-, 1,1'-[(1-methylethylidene)di-4,1-phenylene] ester, disodium salt 72828-69-4 1% - 5% | | | |
| n-Propyl acetate 109-60-4 1% - 5% | 200 ppm TWA; 840 mg/m3 TWA | 250 ppm STEL 200 ppm TWA | NIOSH: 200 ppm TWA; 840 mg/m3 TWA 250 ppm STEL; 1050 mg/m3 STEL |
| Isopropyl alcohol 67-63-0 1% - 5% | 400 ppm TWA; 980 mg/m3 TWA | 400 ppm STEL 200 ppm TWA | NIOSH: 400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL |

SECTION 4 - First Aid Measures

Inhalation:

Remove exposed individual to fresh air and assist breathing if necessary. Seek medical attention.

Eye Contact:

Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

Skin:

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

Ingestion:

Rinse mouth out immediately. Drink 1 or 2 glasses of water to dilute. DO NOT induce vomiting. Contact physician or poison control center immediately.

SECTION 5 - Fire Fighting Measures

Alcohol Foam, CO2, Dry Chemical

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

Oxidation may produce carbon and nitrogen oxides.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA Class IB flammable liquid fires.

SECTION 6 - Accidental Release Measures

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

SECTION 7- Handling and Storage

Handling:

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

Storage:

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas.

SECTION 8 - Exposure Controls/Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|--|-----------------------------|---|
| 1-Butanol 71-36-3 | 100 ppm TWA; 300 mg/m ³ TWA | 20 ppm TWA | NIOSH: 50 ppm Ceiling; 150 mg/m ³ Ceiling |
| Ethyl alcohol 64-17-5 | 1000 ppm TWA; 1900 mg/m ³ TWA | 1000 ppm STEL | NIOSH: 1000 ppm TWA; 1900 mg/m ³ TWA |
| Benzenesulfonic acid, 2-[[5-amino-3-methyl-1-(3-sulfophenyl)-1H-pyrazol-5-yl]azo]-, 1,1'-[[1-methylethylidene]di-4,1-phenylene] ester, disodium salt 72828-69-4 | | | |
| n-Propyl acetate 109-60-4 | 200 ppm TWA; 840 mg/m ³ TWA | 250 ppm STEL 200 ppm TWA | NIOSH: 200 ppm TWA; 840 mg/m ³ TWA 250 ppm STEL; 1050 mg/m ³ STEL |
| Isopropyl alcohol 67-63-0 | 400 ppm TWA; 980 mg/m ³ TWA | 400 ppm STEL 200 ppm TWA | NIOSH: 400 ppm TWA; 980 mg/m ³ TWA 500 ppm STEL; 1225 mg/m ³ STEL |

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors.

Respiratory Protection:

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure.

Skin Protection:

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

Eye Protection:

Wear splash proof goggles and face shield if there is a likelihood of contact with eyes.

Hygienic Practices

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

SECTION 9 - Physical and Chemical Properties

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| <p>Vapor Density Heavier Than Air</p> <p>Boiling range: 78 - 118°C</p> <p>Freezing point: N/A</p> <p>Flammability: N/A</p> <p>Autoignition temperature: 343°C</p> <p>Relative Density: N/A</p> <p>Odor threshold: N/A</p> <p>SPECIFIC GRAVITY 0.8369</p> <p>Partition coefficient (n-octanol/water): N/A</p> <p>Grams VOC less water: N/A</p> <p>% WT. VOLATILE (VOC) 88.7487</p> <p>Lbs VOC/Gallon Solids 82.0033</p> <p>SOLIDS VOL% 7.5423</p> <p>SPREAD @ 1 MIL 120.9782</p> <p>Appearance Clear Liquid</p> <p>Physical State Liquid</p> <p>Coating VOC (g/l) 741.1395</p> <p>Coating VOC (Lb/Gl) 6.1849</p> | <p>Evaporation Rate Faster than Butyl Acetate</p> <p>Melting point: N/A</p> <p>Flash point: 55°F, 13°C</p> <p>Explosive Limits: N/A</p> <p>Decomposition temperature: N/A</p> <p>Vapor Pressure N/A</p> <p>pH: N/A</p> <p>Solubility: N/A</p> <p>Viscosity: N/A</p> <p>% VOLUME VOLATILE (VOC) 92.4577</p> <p>% Pig. by wt. 6.5803</p> <p>VOLATILE WT% 88.7487</p> <p>DENSITY (Lb/Gal) 6.9690</p> <p>HAPS (lbs/gl) 0.0304</p> <p>Odor N/A</p> <p>Material VOC (g/l) 741.1395</p> <p>Material VOC (Lb/Gl) 6.1849</p> |
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SECTION 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.

Conditions to avoid: high heat, sparks, flames, static discharge.

Hazardous Decomposition: Oxidation may produce carbon and nitrogen oxides.

Hazardous polymerization will not occur.

SECTION 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 1,421mg/kg

Inhalation Toxicity LC50: 283mg/L

Component Toxicity

71-36-3

1-Butanol

Oral LD50: 700 mg/kg (Rat) Dermal LD50: 3,402 mg/kg (Rabbit)

67-63-0

Isopropyl alcohol

Oral LD50: 1,870 mg/kg (Rat) Dermal LD50: 4,059 mg/kg (Rabbit)

Primary Routes of Entry: Inhalation, Skin Contact, Eyes, Ingestion

Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermatitis.

Ingestion:

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

Inhalation:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Eyes:

Can cause irritation, redness, tearing and blurred vision.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|---|
| 64-17-5 | Ethyl alcohol | 30% - 40% | Ethyl alcohol: IARC: Human carcinogen OSHA: listed |

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| SECTION 12 - Ecological Information |
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Ecological Information:

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

Component Ecotoxicity

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| 1-Butanol | LC50 96 h Pimephales promelas 1730 - 1910 mg/L [static] (IUCLID); LC50 96 h Pimephales promelas 1740 mg/L [flow-through] (IUCLID); LC50 96 h Lepomis macrochirus 100000 - 500000 µg/L [static] (EPA); LC50 96 h Pimephales promelas 1910000 µg/L [static] (EPA) EC50 48 h Daphnia magna 1983 mg/L (IUCLID); EC50 48 h Daphnia magna 1897 - 2072 mg/L [Static] (EPA) EC50 96 h Desmodemus subspicatus >500 mg/L (IUCLID); EC50 72 h Desmodemus subspicatus >500 mg/L (IUCLID) |
| Ethyl alcohol | LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L [static] (EPA); LC50 96 h Pimephales promelas >100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through] (EPA) LC50 48 h Daphnia magna 9268 - 14221 mg/L (IUCLID); EC50 48 h Daphnia magna 2 mg/L [Static] (EPA) |
| n-Propyl acetate | LC50 96 h Pimephales promelas 56 - 64 mg/L [flow-through] (EPA); LC50 96 h Pimephales promelas 56 - 64 mg/L [static] (IUCLID) |
| Isopropyl alcohol | LC50 96 h Pimephales promelas 9640 mg/L [flow-through] (IUCLID); LC50 96 h Pimephales promelas 11130 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus >1400000 µg/L (EPA) EC50 48 h Daphnia magna 13299 mg/L (IUCLID) EC50 96 h Desmodemus subspicatus >1000 mg/L (IUCLID); EC50 72 h Desmodemus subspicatus >1000 mg/L (IUCLID) |

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| SECTION 13 - Disposal Considerations |
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Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

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| SECTION 14 - Transportation Information |
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Ship according to the Department of Transportation (DOT) 49 CFR regulations.

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT | PAINT | UN1263 | II | 3 |
| | Freight Class: 55 | | | |

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| SECTION 15 - Regulatory Information |
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California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains the following listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

64-17-5 Ethyl alcohol

The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the Inventory):

67-63-0 Isopropyl alcohol

109-60-4 n-Propyl acetate

72828-69-4 Benzenesulfonic acid, 2-[[[5-amino-3-methyl-1-(3-sulphophenyl)-1H-pyrazol-5-yl]azo]-, 1,1'-[(1-methylethylidene)di-4,1-phenylene] ester, disodium salt

64-17-5 Ethyl alcohol

71-36-3 1-Butanol

US CAA Section 112 Hazardous Air Pollutants (HAPs) List

- None

US EPCRA (SARA Title III) Section 313 - Toxic Chemical:

67-63-0 Isopropyl alcohol

71-36-3 1-Butanol

Hazardous Material Information System (HMIS)

| | | |
|----------------------------|---|---|
| HEALTH | <input type="text" value="3"/> | HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH |
| FLAMMABILITY | <input type="text" value="3"/> | |
| PHYSICAL HAZARD | <input type="text" value="0"/> | |
| PERSONAL PROTECTION | <input checked="" type="checkbox" value="X"/> | |

SECTION 16 - Disclaimer

Date Prepared: 6/13/2019

Date revised: 2019-06-13

Reviewer Revision 2

THIS DOCUMENT SUPERSEDES ANY PROVISION CONTAINED IN THE FORMS, LETTERS, AND PAPERS OF YOUR COMPANY. THIS PRODUCT IS DESIGNED AND INTENDED FOR PROFESSIONAL APPLICATION ONLY. ALL PRODUCTS SHOULD BE THOROUGHLY TESTED UNDER APPLICATION CONDITIONS PRIOR TO USE. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE RELIABLE. HOWEVER, MOHAWK MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL MOHAWK BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OR WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF MOHAWK FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY MOHAWK SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.