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Version 1

1. IDENTIFICATION**Product Identifier****Product Name** MICCROWAX[®] C-565 HT**Other means of identification****SDS #** TD-023**Synonyms** C-565 HT Wax.**Recommended use of the chemical and restrictions on use****Recommended Use** Plating.**Details of the supplier of the safety data sheet****Supplier Address**Tolber Chemical Division
220 West 5th Street
Hope, AR 71801**Emergency Telephone Number****Company Phone Number** (870) 777-5759
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)**2. HAZARDS IDENTIFICATION****Appearance** White solid**Physical State** Solid**Odor** Little to no odor**Classification****Hazards Not Otherwise Classified (HNOC)**

May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS**Synonyms** C-565 HT Wax.

| Chemical Name | CAS No | Weight-% |
|---------------|-------------|-------------|
| Trade Secret | Proprietary | Proprietary |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|---|
| Eye Contact | Immediately flush with large quantities of water for at least 15 minutes until irritation subsides. If material is hot, treat for thermal burns and take the victim to the hospital immediately. |
| Skin Contact | Take off contaminated clothing. If material is hot, submerge injured area in cold water. If the victim is severely burned, take the victim to a hospital immediately. |
| Inhalation | This material has a low vapor pressure and is not expected to present an inhalation hazard in ambient conditions. If fumes are generated when the material is heated or handled, remove the victim from exposure. |
| Ingestion | Do not induce vomiting. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Direct contact with eyes may cause temporary irritation. Fumes produced during thermal process may cause irritation. This product has laxative properties and may result in abdominal cramps and diarrhea. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Water spray may be ineffective. Water may cause frothing.

Specific Hazards Arising from the Chemical

Combustion products may be toxic.

Hazardous Combustion Products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal Precautions | Use personal protective equipment as required. |
|-----------------------------|--|

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | Sweep up and shovel into suitable containers for disposal. Where possible allow molten material to solidify naturally. Once the product has solidified, it can be recovered. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-------------------------------|------------------------------------|-------------------------------|
| Trade Secret | TWA: 2 mg/m ³ fume | (vacated) TWA: 2 mg/m ³ | TWA: 2 mg/m ³ fume |

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical splash goggles.

Skin and Body Protection Wear full coverage clothing to prevent skin contact with hot material.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|-------------|-----------------------|-------------------|
| Physical State | Solid | Odor | Little to no odor |
| Appearance | White solid | Odor Threshold | Not determined |
| Color | White | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|--------------------|-----------------------------|
| pH | Not determined | |
| Melting Point/Freezing Point | 88 °C / 190 °F | |
| Boiling Point/Boiling Range | Not determined | |
| Flash Point | 177 °C / 350 °F | ASTM D92 Cleveland Open Cup |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 0.91 | |
| Water Solubility | Insoluble in water | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |

| | |
|-----------------------------|----------------|
| Kinematic Viscosity | Not determined |
| Dynamic Viscosity | Not determined |
| Explosive Properties | Not determined |
| Oxidizing Properties | Not determined |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--------------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | May be harmful in contact with skin. |
| Inhalation | Avoid breathing fumes. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------------------|-------------------------|-----------------|
| Trade Secret | = 10000 mg/kg (Rat) | > 3600 mg/kg (Rabbit) | - |
| Trade Secret | > 3750 mg/kg (Rat) | > 3600 mg/kg (Rabbit) | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
| Trade Secret | 6 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Not determined

US Federal Regulations**SARA 313**

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Trade Secret | X | X | X |

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| NFPA | Health Hazards | Flammability | Instability | Special Hazards |
| | 1 | 1 | 0 | Not determined |
| HMIS | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | Not determined | Not determined | Not determined | Not determined |

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 Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet