

Issue Date: 01-Jan-2012

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name MICCROWAX C-562

Other means of identification

SDS # TD-007-OSHA

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

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Brown solid

Physical State Solid

Odor Mild Petroleum-like

Classification

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Microcrystalline Wax	63231-60-7	60-100

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

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. For eye contact with hot product, immediately flush with large amount of cold water to dissipate the heat. Get immediate medical attention.

Skin Contact	Take off contaminated clothing. Wash contaminated clothing before reuse. Wash skin with soap and water. Get medical attention if irritation occurs. For skin contact with the hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate the heat. Cover the affected area with sheeting or gauze and get immediate medical attention. No attempt should be made to remove material from the skin or to remove contaminated clothing as the damaged flesh can be easily torn.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention if symptoms occur.

Most important symptoms and effects

Symptoms	Eyes may have symptoms of redness, itching, irritation and watering from overexposure. May cause respiratory irritation. Direct contact with skin can cause irritation or redness.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**Foam. Dry chemical. Carbon dioxide (CO₂).**Unsuitable Extinguishing Media** Not determined.**Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Cool surrounding equipment, fire-exposed containers, and structures with water. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous Combustion Products Carbon oxides.**Sensitivity to Mechanical Impact** Not determined.**Sensitivity to Static Discharge** Not determined.**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. Spills may be slippery. Wet floors will be very slippery.**Environmental Precautions** See Section 12 for additional Ecological Information.**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** Shovel, sweep, or vacuum spill. Place in appropriate containers for disposal. Wash spill area with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Use only with adequate ventilation. When the product is melted for use, care must be taken to avoid overheating the molten wax and causing oxidation of the product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. When temperature extremes are avoided, this product has an expiration date of three years from the date of manufacture. The expiration date can be extended for an additional three year interval if the batch is recertified by Baker Petrolite Quality Assurance.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Emergency eye wash stations and showers should be available within the work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Chemical resistant, impermeable gloves. When working with the product in the melted (thermal) form, utilize appropriate thermal protective equipment for potential exposures to the hot (>230°F (>110°C)). Long sleeve shirt and long pants. Protective shoes or boots.

Respiratory Protection None under normal use conditions. In case of inadequate ventilation wear respiratory protection.

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	Mild Petroleum-like
Appearance	Brown solid	Odor Threshold	Not determined
Color	Brown		

Property	Values	Remarks • Method
pH	Not available	
Melting Point/Freezing Point	80.6-86.1 °C / 177.1-187 °F	
Boiling Point/Boiling Range	Not available	
Flash Point	> 250 °C / > 482 °F	Cleveland Open Cup
Evaporation Rate	Not applicable	
Flammability (Solid, Gas)	Not flammable	
Upper Flammability Limits	Not available	

Lower Flammability Limit	Not available	
Vapor Pressure	<0.1 mm Hg	
Vapor Density	>1	(Air=1)
Specific Gravity	0.9-1	@ 25 °C (77 °F)
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not available	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	10-26 cP	@ 99 °C
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	0 g/L	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions. 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

Heat, flames and sparks.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon.

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	May cause irritation of respiratory tract.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Microcrystalline Wax 63231-60-7	= 10000 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**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability

This product would be expected to biodegrade slowly, depending upon the conditions to which it is exposed. Under OECD Method 310D, the biodegradability is less than 25% after five days.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Microcrystalline Wax 63231-60-7	6

Other Adverse Effects

Not available

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

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 0	Flammability 1	Instability 0	Special Hazards Not determined
<u>HMIS</u>	Health Hazards Not determined	Flammability Not determined	Physical Hazards Not determined	Personal Protection Not determined

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Revision Note: New format

Disclaimer

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End of Safety Data Sheet