Material Safety Data Sheet

Revision Issued: 11/24/2008 Supercedes: 12/13/2004 First Issued: 4/28/1999

Section I - Chemical Product And Company Identification

Product Name:
Desert Brand Master Seal 400VOC - Clear

CAS Number: N/A HBCC MSDS No. CD05201

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Section II - Composition / Information On Ingredients

		Exposure Limits (TWAs) in Air		
Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	STEL
Methyl/Butyl Methacrylate	28262-63-7	100 ppm	200 ppm	N/A
Ceramic Microspheres	66402-68-4	10 mg/m³	15 mg/m³	N/A
Hydrocarbon Solvent	64742-94-5	100 ppm	100 ppm	150 ppm
Hydrocarbon Solvent	1330-20-7	100 ppm	100 ppm	150 ppm
p-Chlorobenzotrifluoride	98-56-6	N/E	N/E	N/E
Aluminum Oxide	1344-28-1	10 mg/m³	15 mg/m³	N/A

Section III - Hazard Identification

Summary of Acute Health Hazards N/A
Ingestion: Liquid ingestion may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities in the lungs may result in chemical pneumonitis and pulmonary edema/hemorrhage. May also result in abdominal pain, dizziness, and headache, shortness of breath, leg cramps, fatigue, nausea, coma and death.
Inhalation: High vapor/aerosol concentrations (greater than approximately 1000 ppm) are irritating to the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Negligible hazard at ambient temperature (-18 to 38°C; 0 to 100°F)
Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis.
Eyes: May cause eye damage on contact.
Summary of Chronic Health Hazards: N/A
Signs and Symptoms of Exposure: Prolonged or repeated skin contact with this product tends to remove oils possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged

to be neither a "corrosive" nor an "irritant" by OSHA criteria.
Effects of Overexposure: High vapor concentration (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic, and may have other central nervous system effects including death.
Medical Conditions Generally Aggravated by Exposure: Petroleum Solvents/Petroleum Hydrocarbons - Skin contact may aggravate an existing dermatitis.
Note to Physicians: N/A

Section IV - First Aid Measures

Ingestion: If ingested, DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. GET MEDICAL ATTENTION IMMEDIATELY.
Skin: Wash with soap and water. Remove contaminated clothing and shoes; do not reuse until cleaned. If persistent irritation occurs, GET MEDICAL ATTENTION IMMEDIATELY.
Eyes: If splashed into eyes, flush with water for 15 minutes while holding eyelids open or until irritation subsides. If irritation persists, GET MEDICAL ATTENTION IMMEDIATELY.

Section V - Fire Fighting Measures

Flash Point: 0°F **Autoignition Temperature:** 980°F
Lower Explosive Limit: 1.1% **Upper Explosive Limit:** 12.3%

Unusual Fire and Explosion Hazards: Handle as a flammable material! Vapors may form an explosive mixture with air between the upper and lower explosive limits. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. When exposed to extreme temperature, closed containers may explode. Vapor could travel toward a source of ignition and flash back.

Extinguishing Media: Use water fog, foam, dry chemical or CO2. Do not use a direct stream of water. Product will float and can be reignited on surface of water.

Special Firefighting Procedures: Evacuate hazard area of unprotected personnel. Wear proper protective clothing including a NIOSH approved self-contained breathing apparatus. Cool fire-exposed containers with a water mist.

Section VI - Accidental Release Measures

[Spills may need to be reported to the National Response Center (800/424-8802) CERCLA Reportable Quantity (RQ) is 1000 pounds]. Shut off and eliminate all ignition sources. Keep people away. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent such as sand, earth or other suitable absorbent to spill area. Do not use combustible materials such as sawdust. Minimize breathing of vapors and skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Section VII - Handling and Storage

CAUTION: Flammable! Keep away from heat, sparks and open flames. Keep containers tightly closed. Store product away from strong oxidizing agents and in a

cool, dry place with adequate ventilation. Ground your equipment to prevent accumulation of static charge. If pouring or transferring materials, containers must be bonded and grounded.
Other Precautions: Do not weld, heat or drill on or near container; even apparently emptied containers can contain explosive vapors.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: None required if adequate ventilation. Only MSHA or NIOSH approved respirators should be used if concentration is above 1000 ppm.
Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment only.
Protective Clothing: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.
Eye Protection: Use splash goggles or face shield when eye contact may occur.
Other Protective Clothing or Equipment: Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Work/Hygienic Practices: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove any contaminated shoes and thoroughly clean and dry them before reuse. Wash skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Section IX - Physical and Chemical Properties

Physical State: Liquid	**pH:** N/A
Melting Point/Range: N/A	**Boiling Point/Range:** N/A
Appearance/Color/Odor: Colorless, sweet aromatic odor	
Solubility in Water (g/100g): Insoluble in water	**Vapor Pressure(mmHg):** 5.3@68ºF
Specific Gravity(Water=1): 1.07-1.19	**Molecular Weight:** N/A
Vapor Density(Air=1): 4.9	**% Volatiles by Volume:** 71.75-72.75%
How to detect this compound : N/A	**VOC:** 394-399 g/l or 3.2.3.33 lbs./gallon

Section X - Stability and Reactivity

Stability: Stable **Hazardous Polymerization:** Will not occur

Conditions to Avoid: Avoid heat, sparks, and open flames.

Materials to Avoid: Strong oxidizing agents, concentrated nitric and sulfuric acids, and molten sulphur. Temperatures above ambient.

Hazardous Decomposition Products: Oxides of carbon, and acrylic monomer vapors.

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

Use non-leaking containers, seal tightly and label properly. Dispose of in accordance with applicable local, county, state and federal regulations.

Section XIV - Transport Information

DOT Proper Shipping Name: Paint
DOT Hazard Class/ I.D. No.: 3, UN1263, II

Section XV - Regulatory Information

Reportable Quantity: N/A
NFPA Rating: Health - 2; Flammability - 3; Instability - 0
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Carcinogenicity Lists: Yes **NTP:** No **IARC Monograph:** No **OSHA Regulated:** Yes
WARNING
This product contains chemicals known to the State of California to cause cancer

Section 313 Supplier Notification: This product contains the following toxic chemical(s) subject to the reporting requirements of SARA TITLE III Section 313 of the Emergency Planning and Community Right-To Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	% By Weight
95-63-6	Trimethylbenzene	< 1.0%
1330-20-7	Xylene	6%
1344-28-1	Aluminum Oxide	1.3-1.4

Section XVI - Other Information

Synonyms/Common Names: N/A
Chemical Family/Type: Paint
Change(s) Since Last Revision: VIII, XV

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.