

MATERIAL SAFETY DATA SHEET

DE FILTER POWDER

SECTION I - IDENTIFICATION

MANUFACTURER'S NAME..... Haviland Consumer Products Incorporated
ADDRESS (STREET,CITY,STATE,ZIP) 421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBER..... CHEMTREC (800) 424-9300
EFFECTIVE DATE..... 10/8/99
TRADE NAME..... DE FILTER POWDER
CHEMICAL FAMILY..... Diatomaceous Earth

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA/PEL	ACGIH/TLV (Units)	PROD. CAS #
Calcined Diatomaceous Earth (DE), (May contain >50% crystal silica)	Not Established	Not Established	68855-54-9

SECTION III - PHYSICAL DATA

BOILING POINT..... Not Determined
FREEZING POINT..... Not Determined
VAPOR PRESSURE (mm Hg)..... Not Applicable
VAPOR DENSITY (Air=1)..... Not Applicable
SOLUBILITY IN H2O..... Negligible
APPEARANCE/ODOR..... White Granules; Odorless
SPECIFIC GRAVITY (H2O=1)..... 2.3 (Solid)
PH..... 9 - 10.5

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... Will Not Burn
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
EXTINGUISH MEDIA..... As for Surrounding Fires
SPECIAL FIRE FIGHTING PROCEDURES... None
UNUSUAL FIRE HAZARD..... None

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY..... Continuous exposure over long periods of time may be carcinogenic.
NTP..... May be reasonably considered carcinogenic.

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IARC..... Strong possibility of being carcinogenic.
 OVER EXPOSURE EFFECTS..... Eye and respiratory irritation.
 PRIMARY ROUTE(S) OF ENTRY..... Contact and inhalation.
 FIRST AID PROCEDURES..... In case of contact: Immediately flush eyes
 and skin with plenty of water for at least
 15 minutes. For eyes, get medical
 attention.
 If inhaled: Remove to fresh air, drink
 water to clear throat and blow nose to
 evacuate dust.
 Ingestion: Not hazardous in small
 quantities.
 EXPOSURE AGGRAVATED MEDICAL CONDITIONS Pre-existing respiratory and lung
 diseases.

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SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY..... Stable
 CONDITIONS TO AVOID..... Exposure to dust.
 INCOMPATIBLE MATERIALS..... Hydrofluoric acid.
 DECOMPOSITION PRODUCTS..... None through ordinary use.
 HAZARDOUS POLYMERIZATION..... Will Not Occur
 POLYMERIZATION AVOID..... Not Applicable

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SECTION VII - SPILL OR LEAK PROCEDURE

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FOR SPILL Sweep up spillage and place in a labeled,
 covered container for disposal. Use a dust
 suppressant such as water.
 WASTE DISPOSAL METHOD..... Approved landfill burial. Comply with all
 federal, state and local regulations.

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SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION..... NIOSHA/MSHA approved dust mask. For
 continuous exposure use a full face
 respirator w/ N95 filters.
 VENTILATION..... Use in open areas with mechanical assistance
 to air flow.
 PROTECTIVE GLOVES..... Not normally required.
 EYE PROTECTION..... Safety glasses w/ side shields is the
 minimum protection required, goggles are
 recommended.
 OTHER PROTECTIVE EQUIPMENT.... A safety shower and eye bath should be
 available.

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HANDLING AND STORAGE..... Protect containers from damage. Keep containers tightly closed. Seal/patch broken containers. Avoid breathing dust. Will not freeze or melt at typical temperatures. Product may clump if exposed to moisture.

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SECTION IX - SPECIAL PRECAUTIONS

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HAZARD CLASS..... Non-regulated

DOT SHIPPING NAME..... Ground Earth, Diatomaceous,

UN NUMBER..... Not Required

REPORTABLE QUANTITY (RQ)..... Not Listed

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REFERENCES ZZ1DEFIL