

Material Safety Data Sheet



FILTER KLEEN

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products Incorporated
MANUFACTURER'S ADDRESS421 Ann St. NW, Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....8/4/04
TRADE NAME.....**FILTER KLEEN**
CHEMICAL FAMILY.....Miscellaneous Mixture

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Sulfamic Acid	Not Established	Not Established	5329-14-6

SECTION III - PHYSICAL DATA

BOILING POINTDecomposes at 408°F (209°C)
FREEZING POINTNo Information Available
VAPOUR PRESSURENot Applicable
VAPOUR DENSITY (air=1)Not Applicable
SOLUBILITY IN H₂O.....Slight
ODOUR AND APPEARANCEWhite crystals; Odorless
SPECIFIC GRAVITY2.125 (Solid)
pH.....1.2 (1% solution)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATIONNot Flammable
LOWER EXPLOSIVE LIMIT (% by Volume)Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume)Not Applicable
MEANS OF EXTINCTION.....As for surrounding fires. Use extreme caution with water spray, sulfamic acid is highly corrosive.
SPECIAL FIRE FIGHTING PROCEDURES.....Wear self-contained, positive pressure breathing apparatus.
UNUSUAL FIRE HAZARD.....Foam or water may cause frothing. Emits highly toxic and irritating fumes in a fire.

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SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP? No
IARC MONOGRAPHS? No
OVER EXPOSURE EFFECTS Irritation to eyes, nose, throat, and skin; dermatitis.
PRIMARY ROUTE (S) OF ENTRY Eye and Skin Contact
SPECIFIC FIRST AID PROCEDURES In case of contact: Immediately flush eyes and skin with plenty of water for at least 15 minutes. Seek medical attention. If inhales: Remove to fresh air. Ingestion: Do not induce vomiting. Give large quantities of water to dilute. Call a physician immediately.
EXPOSURE AGGRAVATED MEDICAL CONDITIONS None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Heat. Decomposes at 408°F (209°C)
INCOMPATIBLE MATERIALS Avoid contact with base, chlorine, metal nitrates and heat, metal nitrites and heat, fuming nitric acid.
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may produce sulfur and nitrogen oxides.
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Sweep the spillage with a broom into a dustpan; avoid contact with water. Place into a proper waste container.
WASTE DISPOSAL Approved landfill burial. Comply with all federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION NIOSH/MSHA approved respirator with dust filter.
VENTILATION To maintain minimum dust levels.
PROTECTIVE GLOVES Rubber or other impervious materials.
EYE PROTECTION Chemical splash proof goggles.
OTHER PROTECTIVE EQUIPMENT A safety shower and eye bath should be available. For operations where spills or splashing may occur, use an impervious body covering and boots.
HANDLING PROCEDURES AND EQUIPMENT Keep containers tightly closed when not in use. Protect containers from moisture. Do not store or mix with cyanides, sulfides, chlorine, hypochlorous acid, or hypochlorites. Empties containers retain product residues.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS Corrosive Material, 8, PG III
DOT SHIPPING NAME Sulfamic Acid
UN NUMBER UN2967
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES

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