

Material Safety Data Sheet



BUGS BE GONE

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Products Company
MANUFACTURER'S ADDRESS421 Ann St., NW, Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....7/15/04
TRADE NAME.....**BUGS BE GONE**
CHEMICAL FAMILY.....Surfactant

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
**Methanol (Methyl Alcohol) (2% by wt)	200ppm TWA 250ppm STEL	200ppm TWA (Skin)* 250ppm STEL (Skin)*	67-56-1
SEE NOTE UNDER "REFERENCES" AT END OF MSDS			

SECTION III - PHYSICAL DATA

BOILING POINT Unknown
FREEZING POINT Unknown
VAPOUR PRESSURE Not Applicable
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H₂O Completely
ODOUR AND APPEARANCE Yellow Liquid; Mild Odor
SPECIFIC GRAVITY >1
pH..... Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATION>200oF, TCC
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
MEANS OF EXTINGUISHMENT.....Alcohol foam, dry chemical, CO₂, and water mist or fog. Use a blanketing effect to smother fire.
SPECIAL FIRE FIGHTING PROCEDURES.....Wear self contained breathing apparatus and complete personal protective equipment. Use water spray to cool fire exposed surfaces and to protect fire-fighting personnel.
UNUSUAL FIRE HAZARD.....Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks or flames and can react vigorously with oxidizing agents. May burn with an invisible flame.

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP?..... No
IARC MONOGRAPHS?..... No
OVER EXPOSURE EFFECTS Methanol is a poisonous, narcotic chemical that can affect the body through inhalation, ingestion, and perhaps prolonged or repeated skin

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contact. Absorption by inhalation or ingestion is rapid and excretion is much slower than for ethyl alcohol, resulting in delayed effects or compounding of effects by repeated exposure. It is important to be aware that after ingestion or inhalation, initial symptoms may be only that of mild intoxication but may become severe after 12 to 18 hours. Toxic effects are exerted upon the central nervous system, especially the optic nerve. Ingestion can produce blindness; 100-250 ml can be fatal. Symptoms of overexposure include dizziness, visual impairment, nausea, respiratory failure, muscular incoordination and narcosis. Prolonged or repeated skin contact may cause dermatitis, erythema, scaling, and possibly systemic effects.

PRIMARY ROUTE (S) OF ENTRY Inhalation, ingestion, and skin absorption.
SPECIFIC FIRST AID PROCEDURES In case of contact: Immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, get medical attention immediately. If inhaled: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention. Ingestion: Get medical attention immediately. If conscious, induce vomiting with 1 tablespoon of ipecac or by touching the back of the throat. Once vomiting has occurred, have the patient drink milk, water, or a solution of sodium bicarbonate in water (1 heaping teaspoon per quart).
EXPOSURE AGGRAVATED MEDICAL CONDITIONS None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Heat, sparks, open flame, oxidizing conditions.
INCOMPATIBLE MATERIALS Strong oxidizing agents such as nitrates, perchlorates, sulfuric acid, aluminum, zinc reactive metals.
HAZARDOUS DECOMPOSITION PRODUCTS Toxic gases and vapors (i.e., carbon monoxide, formaldehyde) may be released in a Methanol fire.
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Place leaking containers in well-ventilated areas. Eliminate sources of ignition. Contain (dike) spill and atomize in a suitable combustion chamber. Do not flush to sewer or other confined space. Avoid run-off into storm sewers or ditches, which lead to natural waterways.
WASTE DISPOSAL Absorb in vermiculite, dry sand, earth or a similar material and dispose in a secured sanitary landfill. Atomize in a suitable combustion chamber; dispose of via a licensed waste solvent disposal company, or reclaim via filtration and distillation process.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION NIOSH/MSHA organic vapor cartridge or canister respirator within use limitations of these devices; all other situations, use self-contained breathing apparatus and protective clothing.
VENTILATION To maintain vapors below TLV's.
PROTECTIVE GLOVES Rubber or other impervious material.
EYE PROTECTION Splash proof chemical goggles.
OTHER PROTECTIVE EQUIPMENT For operations where spills or splashing may occur, use an impervious body covering and boots. A safety shower and eye bath should be available.

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HANDLING PROCEDURES AND EQUIPMENT Store away from heat, sparks, flame, and oxidizers. All handling equipment should be electrically grounded. Use of spark resistant tools is recommended.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS ORM-D
DOT SHIPPING NAME..... CONSUMER COMMODITY
UN NUMBER..... NONE
REPORTABLE QUANTITY (RQ)..... 5000lbs.

REFERENCES

ZZ1BUGS

NOTE Hazardous Component(s) subject to reporting under 40 CFR 372 (SARA Title III, Sec. 313).