

## Material Safety Data Sheet



## Halt\* Anti-Foaming Agent

\*Trademark of Dow AgroSciences LLC - Dow AgroSciences Canada Inc. is a licensed user

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**In case of emergency Call CANUTEC at 613 996 6666**


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**1. Product Identification:****Product name:** Halt\* Anti-Foaming Agent**Product use:** Neutral antifoaming agent for use with pesticide spray mixtures**Effective date:** May 31, 2009**Supplier:**Dow AgroSciences Canada Inc.  
Suite 2100, 450 - 1st Street SW,  
Calgary, Alberta,  
Canada, T2P 5H1  
[www.dowagro.ca](http://www.dowagro.ca)


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**This product is regulated under authority of the Pest Control Products Act**


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**2. Composition:**

Component	CAS Number	% (w/w)
Polysiloxanes	63148-53-8	17.4
Proprietary Ingredients, total	not available	82.6

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**3. Hazard Identification:****Emergency Overview:**

This product is a white liquid emulsion with a mild odor. Contact may cause slight eye irritation.

**Potential Health Effects:**

**Eyes:** Exposure may cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Contact may cause temporary discomfort and dryness to the eye similar to windburn.

**Skin contact:** Prolonged or repeated exposure is not likely to cause skin irritation.

**Skin absorption:** A single prolonged exposure is not likely to result in this material being absorbed in harmful amounts.

**Ingestion:** No hazards are anticipated from swallowing small amounts incidental to normal handling operations.

**Inhalation:** At room temperature, vapors are minimal due to physical properties. If the material is heated or a mist is produced, concentrations may be attained that are sufficient to cause respiratory irritation. Vapor concentrations of volatile silicones are likely to become uncomfortable to humans before they result in toxicologically significant effects.

**4. First Aid Measures:**

**Consult a physician in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of**

**cause of injury. If breathing difficulties occur seek medical attention at once.**

**Eyes:** Flush eyes with plenty of water.

**Skin:** Wash off in flowing water or shower.

**Ingestion:** No adverse effects anticipated by this route of exposure incidental to proper industrial handling. No remedial action is necessary.

**Inhalation:** Remove individual to fresh air. If breathing difficulty occurs, get medical attention.

Have the Material Safety Data Sheet, and if available, the product container or label with you when calling for or going for medical assistance.

**Note to physician:**

There is no specific antidote. Employ supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient.

**5. Fire-fighting Measures:**

**Flash point:** Not applicable

**Flammable limits:** Not applicable

**Auto-ignition temperature:** Not available

**Extinguishing media:** Use water fog, foam, or CO<sub>2</sub> if product is involved in a fire.

**Sensitivity to mechanical impact / static discharge:** Not available

**Unusual fire and explosion hazards:** Toxic gasses, including formaldehyde, may be created under fire conditions. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and a potential cancer hazard. Consider evacuation of non-essential people

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from areas affected by dense smoke. Contain fire-fighting water for future disposal.

**Fire-fighting equipment:** Wear positive-pressure self-contained breathing apparatus and full turnout gear.

**6. Accidental Release Measures:**

Soak up small spills with absorbent material such as HAZORB, or ZORBALL, peat moss, commercial sweeping compound or similar absorbent material; if these are not available use adsorbing agents such as kitty litter, sand, clay or topsoil. Store collected absorbed/adsorbed material in secure containers until safe disposal can be arranged. Avoid the use of water for cleanup, since spent water must be collected and may be treated as hazardous waste. Use hot water and heavy duty detergent to clean up any residual stains on hard surfaces. Small spills on topsoil should be worked into the soil and allowed to degrade under natural conditions (see Section 13. Ecological Information – Degradation and Metabolism – Soil). Do not allow spilled material to contaminate water supplies. For large spills, dike and barricade the affected area and contact CANUTEC at 613 996 6666 and local authorities.

**7. Handling and Storage:**

**Handling:** Avoid contact with skin, eyes and clothing. Keep this product out of reach of children.

**Storage:** Do not ship or store with food, feed or clothing.

**8. Exposure Controls, Personal Protection and Exposure Limits:**

**Exposure limits:**

Polymethylsiloxane (Dow Corning Fluid 550):  
Dow AgroSciences Industrial Hygiene  
Guideline is 10 mg/m<sup>3</sup>.

Proprietary Ingredients: Not available

**Engineering controls:** Provide general and/or local exhaust ventilation to control airborne levels.

**Breathing:** Atmospheric levels should be maintained below the exposure guideline. For most conditions, no respiratory protection should be needed; however, if handling at elevated

temperatures without sufficient ventilation, use an approved air-purifying respirator.

**Protective clothing:** No precautions other than clean body-covering clothing should be needed.

**Eyes:** Use chemical workers' goggles.

**Other protection:** An eyewash fountain or at least one liter of clean fresh water in an eyewash bottle must be available at the work site.

**9. Physical and Chemical Properties:**

**Boiling point:** 100°C

**Vapor pressure:** 23kPa at 20°C

**Volatility:** Not available

**pH:** 6.5 to 7.5

**Appearance:** White liquid

**Odor:** Mild

**Coefficient of water/oil distribution:** Not available

**Specific gravity:** 1.0

**Evaporation rate:** Not available

**Solubility in water:** Miscible in water

**Freezing point:** -1°C

**Odor threshold:** Not available

**Melting point:** Not applicable

**10. Stability and Reactivity:**

**Stability:** This product is stable under normal use and storage conditions.

**Incompatibility:** None known

**Hazardous decomposition products:** Polymethylsiloxane can generate formaldehyde at temperatures greater than 150°C in the presence of oxygen.

**Hazardous polymerization:** Not known to occur.

**11. Toxicological Information:**

**Skin absorption:** Acute dermal LD50 (rabbit) is >19,400 mg/kg.

**Ingestion:** Acute oral LD50 (rat) is >2000 mg/kg.

**Inhalation:** Not available.

**Sensitization:** This product did not cause allergic reactions when tested in humans.

**Chronic effects:** Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Cancer:** Polymethylsiloxane did not cause cancer in long-term animal studies, which used routes of exposure considered relevant to

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industrial handling. Positive results have been reported in other studies using routes of exposure not relevant to industrial handling.

**Birth defects:** Birth defects are unlikely.

Exposures having no adverse effects on the mother will have no effects on the fetus.

**Reproductive effects:** In animal studies polymethylsiloxane has been shown not to interfere with reproduction.

**Mutagenicity:** *In-vitro* and animal mutagenicity studies were negative.

**12. Ecological Information:**

Information on toxicity to bees is not available. Halt is considered to be practically non-toxic to fish and birds. No bio-concentration is expected because of the relatively high molecular weight of polymethylsiloxane.

**Degradation and Metabolism:**

No environmental problems are expected with this product if it is handled and treated according to standard industrial practices and applicable regulations.

**13. Disposal Considerations:**

**Unused unwanted product:** Contact Dow AgroSciences or your provincial regulatory agency for disposal information.

**Container disposal:** Refer to the product label for instructions regarding cleaning and disposal of empty pesticide containers. If these instructions are missing or not understood, contact Dow AgroSciences at 800 667 3852 or your provincial regulatory agency for direction.

**14. Transport Information:**

This product is classified as “**Not Regulated**” under regulations of the Transportation of Dangerous Goods Act.

**15. Regulatory Information:**

**Pest Control Products Act registration**

**number:** Not applicable

**For information phone:** 800 667 3852

**MSDS status:** Revised sections: 1. Product Identification

**Replaces MSDS dated:** August 3, 2006

**16. Other Information:**

**National Fire Code classification:** Not applicable

**NFPA ratings:** Health: 0; Flammability: 0; Reactivity: 0.

**Notice:** The information contained in this Material Safety Data Sheet (“MSDS”) is current as of the effective date shown in Section 1 of this MSDS and may be subject to amendment by DASC I at any time. DASC I accepts no liability whatsoever that results in any way from the use of MSDS that are not published by DASC I, or have been amended without DASC I express written authorization. Users of this MSDS must satisfy themselves that they have the most recent and authorized version of this MSDS and shall bear all responsibility and liability with respect thereto. Any conflict or inconsistencies as to the contents of this MSDS shall be resolved in favor of DASC I most recent version of the MSDS published by DASC I.