

**Product name: Hi-Wett**

---

---

## 1. PRODUCT AND COMPANY IDENTIFICATION

---

**Product name:** Hi-wett**Chemical name:** Organosilicone/organic fluid blend**Supplier:** Applied Spray Technologies  
4699 West F Street  
Greeley, CO 80631  
USA**Contact numbers:** CHEMTREC (24 hours): 800-424-9300

---

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

---

COMPONENT	CAS#	CONCENTRATION
Siloxane polyalkyleneoxide copolymer	Trade secret	> 35.0 %
Alcohol Ethoxylate	Trade secret	< 35.0 %
Polyalkylene oxide	Trade secret	< 30.0 %

---

Note(s): See Section 15 for chemicals appearing on Federal or State Right-To-Know lists.

---

## 3. HAZARDS IDENTIFICATION

---

### EMERGENCY OVERVIEW

WARNING!

AEROSOL HARMFUL IF INHALED.

CAUSES EYE IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION.

VAPOR MAY CAUSE BLURRING OF VISION.

REPEATED INGESTION MAY CAUSE DAMAGE TO THE LIVER, KIDNEYS, THYROID, MALE AND FEMALE REPRODUCTIVE SYSTEM, AND BLOOD-FORMING SYSTEM.

REPEATED INHALATION OF AEROSOL OF THE NEAT LIQUID MAY CAUSE DAMAGE TO THE EYES, BLOOD-FORMING SYSTEM, KIDNEYS, THYMUS, RESPIRATORY TRACT, AND NASAL CAVITY.

---

## 4. FIRST AID MEASURES

---

### Swallowing

If patient is fully conscious, give two glasses of milk or water at once. Do not induce vomiting. Obtain medical attention immediately.

### Skin

Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash

**Product name: Hi-Wett**

---

clothing before re-use.

**Inhalation**

Remove to fresh air if aerosol spray is inhaled. If breathing is difficult, administer oxygen. Obtain medical attention immediately.

**Eye contact**

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention.

**Notes to physician**

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e.g., gastric lavage after endotracheal intubation).

---

**5. FIRE-FIGHTING MEASURES**

---

**Flash point:** 110 °C (230 °F)

**Flammable limits**

Lower limit: Not available

Upper limit: Not available

**Special fire fighting procedures**

Do not direct a solid stream of water or foam into hot, burning pools: this may cause frothing and increase fire intensity.

**Special protective equipment for firefighters**

Use self-contained breathing apparatus when fighting fires in enclosed areas.

**Extinguishing media**

Suitable: Large fires:  
- alcohol-type foam or universal-type foams  
Small fires:  
- CO<sub>2</sub>  
- dry chemical

Unsuitable: None.

**Unusual fire and explosion hazards**

None known.

---

**6. ACCIDENTAL RELEASE MEASURES**

---

**Personal precautions**

Avoid contact with liquid and vapors. Wear suitable protective equipment.

---

**Product name: Hi-Wett**

---

**Environmental precautions**

Expected to be toxic to aquatic life. Avoid discharge to sewers or natural waters.

**Methods for cleaning up**

Cover with absorbent or contain.

Collect for disposal.

Observe government regulations.

---

**7. HANDLING AND STORAGE**

---

**HANDLING****Handling precautions**

Avoid contact with eyes, skin and clothing. Do not breathe vapor, mist or aerosol. Use with adequate ventilation.

Do not swallow. Wash thoroughly after handling.

**Other precautions**

Consult the manufacturer before using an aerosol of the neat liquid.

This product may contain trace amounts of ethylene oxide, a condition which creates the potential for accumulation of ethylene oxide in the head space of shipping and storage containers or in enclosed areas where the product is being handled or used. If the product is handled according to the recommendations in this Material Safety Data Sheet, the presence of these trace amounts of ethylene oxide is not expected to result in any short or long-term hazard. Ethylene oxide is considered by OSHA as a potential carcinogen for humans. Users of this product are urged to confirm that their operating, storage and distribution facilities comply with the OSHA Standard (29 CFR 1910.1047). Personnel should be monitored for a sufficient period of time to determine if there is exposure to ethylene oxide above the permissible levels and, if necessary, precautionary and protective measures should be taken to keep ethylene oxide personnel exposure limits below the OSHA permissible level of 1 ppm TWA8, and the action level of 0.5 ppm TWA8.

**STORAGE****Storage requirements**

Keep container closed.

---

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

---

**PERSONAL PROTECTION****Respiratory protection**

None expected to be needed when using an aqueous spray. Consult the manufacturer for appropriate protection before using an aerosol of the neat liquid.

**Hand protection / protective gloves**

Recommended order of use:

4H

Butyl

Neoprene

Nitrile (NBR)

PVC-coated

**Eye protection**

Monogoggles

**Product name: Hi-Wett**

---

**Skin protection**

Chemical protective clothing.

**Other protective equipment**

Eye bath

Safety shower

**ENGINEERING CONTROLS****Ventilation**

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

Special, local ventilation is recommended at points where vapors generated at high temperatures may be vented to the workplace air.

**EXPOSURE LIMITS**

No exposure limits have been established

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE**

<b>Physical state</b>	Liquid
<b>Color</b>	Clear, colorless
<b>Odor</b>	Mild

**OTHER PROPERTIES**

<b>Boiling point</b>	> 150 °C at STP unless specified below. (estimated)		
<b>Melting point</b>	-5 °C at STP unless specified below.		
<b>pH</b>	Not available		
<b>Specific gravity (H<sub>2</sub>O=1)</b>	1.0067 at 25 °C ( 1,013 hPa)		
<b>Vapor pressure</b>	< 1.33 hPa	(1.00 mmHg)	at 20 °C
<b>Vapor density (air=1)</b>	Heavier than air		
<b>Solubility in water</b>	Dispersible		
<b>Evaporation rate (Butyl Acetate=1)</b>	< 1		
<b>Flash point</b>	110 °C (230 °F) Method: Pensky-Martens closed cup ASTM D 93		
<b>Upper explosion limits</b>	Not available		
<b>Lower explosion limits</b>	Not available		
<b>Percent volatiles</b>	Not determined		

**Product name: Hi-Wett**

---

**Molecular weight**

Mixture

---

## 10. STABILITY AND REACTIVITY

---

**Stability:** Stable.

**Stability - Conditions to avoid**

None known.

**Incompatible materials**

Normally unreactive; however avoid contact with:

Strong bases in the presence of high temperatures.

Strong acids.

Strong oxidizing agents.

Materials reactive with hydroxyl compounds.

**Hazardous combustion products**

Burning can produce the following combustion products:

Oxides of carbon.

Oxides of silicon.

Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

**Hazardous polymerization:** Will not occur.

**Hazardous polymerization - Conditions to avoid**

None known.

---

## 11. TOXICOLOGICAL INFORMATION

---

### SWALLOWING

**Acute effects**

May cause the following effects:

- nausea
- diarrhea
- stomach cramps

**Effects of repeated overexposure**

Ingestion may cause:

- injury to the liver
- injury to the thyroid
- injury to the kidney
- injury to the bloodforming system
- injury to the male and female reproductive systems

**Test results**

**Product name: Hi-Wett**

---

Acute toxicity: LD50 - Rat  
Result: > 2,000 mg/kg  
Method: OECD-Guideline No. 423  
Remark: Very low order of toxicity

**SKIN ABSORPTION****Acute effects**

No adverse effects are expected under normal conditions of use.

**Effects of repeated overexposure**

May cause the following effects:

- skin irritation
- allergic skin reaction

**Test results**

Acute toxicity: LD50 - Rat  
Result: > 2,000 mg/kg  
Method: OECD-Guideline No. 402  
Remark: Very low order of toxicity

**INHALATION****Acute effects**

Harmful effects are not expected from static vapor at ambient temperature. Inhalation of an aerosol of the neat material within a confined space could result in respiratory distress and eye injury.

**Effects of repeated overexposure**

An aerosol of the neat liquid may cause:

- damage to respiratory tract
- injury to the eyes
- injury to the nasal cavity
- injury to the bloodforming system

**SKIN CONTACT****Acute effects**

Causes slight irritation.

Causes the following effects:

- redness
- swelling
- inflammation
- allergic skin reaction in sensitized individuals

**Test results**

Skin irritation: Species: Rabbit  
Result: Slight irritation  
Classification: Not irritant  
Method: OECD-Guideline No. 404

**EYE CONTACT****Acute effects**

Liquid splashed into the eye causes discomfort.

Causes the following effects:

- pain

**Product name: Hi-Wett**

---

- excess blinking
- tear production
- excess redness of the conjunctivae
- swelling of the conjunctivae

Injury to the cornea is not expected.

Prolonged exposure to vapor or aerosol may cause discomfort.

May cause the following effects:

- excess redness of the conjunctivae
- possibly swelling of the conjunctivae
- blurring of vision

These effects will resolve within a few hours.

**Test results**

Eye irritation: Species: Rabbit  
Exposure time: 4 h  
Result: Moderate irritation  
Method: OECD-Guideline No. 405

**Medical conditions aggravated by overexposure**

Skin contact may aggravate:

- an existing dermatitis

**Other effects of overexposure**

Overexposure to vapor, aerosol or mist generated at high temperature may result in eye and respiratory tract irritation, dizziness, nausea, and the inhalation of harmful amounts of material.

**SENSITIZATION**

Test results: Species: - Mouse  
Result: Positive  
Method: LLNA - OECD-Guideline No. 429

**MUTAGENICITY**

Genetic toxicity in vitro: Test type: Ames bacterial assay  
Result: Positive  
Metabolic activation: with metabolic activation  
Method: OECD-Guideline No. 471

**SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH**

The following information is based on analogy with a similar material:

This material was not mutagenic in three mammalian test systems including the Chinese Hamster Ovary (CHO)/HGPRT gene mutation assay, a micronucleus cytogenetic assay in mice, and an in vitro mammalian cytogenetic test.

In a repeated skin application study with rats, this material caused moderate skin irritation which resolved during a post-application recovery period. There was no evidence for percutaneous cumulative or specific organ toxicity, and no effect on male or female reproductive systems.

Findings from a 14-day dietary feeding study with rats show that high dosage repeated ingestion of this material causes reversible adverse effects on the male and female reproductive tracts. Additional effects seen include increased liver weight, altered blood cytology/chemistry, and thyroid enlargement (primarily hypertrophy, with some hyperplasia). Evidence of partial or complete recovery was found over a 28-day recovery period.

Findings from a repeat 9-day aerosol inhalation toxicity study with rats show a no-observable-effect-level (NOEL) of less than 0.025 mg/l. Symptoms of toxicity included rales, gasping, ocular opacity, prostration, hypothermia, reduced

**Product name: Hi-Wett**

---

body weight gain and food consumption, changes in clinical pathology, decreased thymus weight, and microscopic lesions in the nasal cavity. There was no effect on the male or female reproductive systems. It is not anticipated that the use of aqueous dilutions of this product would result in this type of aerosol exposure.

---

**12. ECOLOGICAL INFORMATION**

---

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

---

**13. DISPOSAL CONSIDERATIONS**

---

**General:** Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

---

**14. TRANSPORT INFORMATION**

---

**DOT Classification**

This product is not regulated by DOT.

**Freight description road:** OIL, O/T PETROLEUM, LUBRICATING, NOIBN

**IMDG Classification**

This product is not regulated by IMDG.

**ICAO Classification**

This product is not regulated by ICAO.

---

**15. REGULATORY INFORMATION**

---

**Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.**

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).**

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.**

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

**Massachusetts Right-To-Know Substance List (MSL)--Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.**

Components present in this product at a level which could require reporting under the statute are:



**Product name: Hi-Wett**

Chemical name	CAS#	Max weight %
Acetaldehyde	75-07-0	0.005
1,4-Dioxane	123-91-1	0.005
Ethylene oxide	75-21-8	0.0005

**Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.**

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

**EPA Hazard Categories (SARA 311, 312):** Immediate Health Hazard  
Delayed Health Hazard

**California Proposition 65**

This product contains ETHYLENE OXIDE (<5 ppm), 1,4-DIOXANE (<50 ppm) and ACETALDEHYDE (<50 ppm) which the State of California has found to cause cancer, birth defects, or other reproductive harm. (Ethylene oxide appears on the 7/1/87 carcinogen list and the 2/27/87 repro-toxicant list. 1,4-Dioxane appears on the 1/1/88 carcinogen list. Acetaldehyde appears on the 4/1/88 carcinogen list.)

**California SCAQMD Rule 443.1 VOC's**

Volatile Organic Components (VOC's) = Substances with vapor pressure of => 0.5 mmHg at 104°C (219.2°F).

This product contains 79.09 g/liter VOC's.

**CHEMICAL INVENTORY**

Europe: The ingredients of this mixture are on the EINECS inventory.

United States: The components of this product are listed on the TSCA inventory or are exempt.

**16. OTHER INFORMATION****RECOMMENDED USES AND RESTRICTIONS**

Please consult the product and/or application information bulletins for this product.

**HMIS RATING**

Health: 2	Flammability: 1	Reactivity: 0	PPI: X
-----------	-----------------	---------------	--------

**LEGEND**

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

The opinions expressed herein are those of qualified experts within GE Silicones. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these

**Product name: Hi-Wett**

---

opinions and the conditions of use of this product are not within the control of GE Silicones, it is the user's obligation to determine the conditions of safe use of the products.