

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product identifier

**Product Name:** TREEHANCE

Other means of identification

**Common Name:** TH  
**UN/ID No** Not regulated  
**Synonyms** None  
**Product Categories** Agricultural Plant Growth regulator

Recommended use of the chemical and restrictions on use

**Sale and Use Restrictions** Not applicable  
**Recommended Use** Restricted to professional users.  
**Uses advised against** Consumer use

Details of the supplier of the safety data sheet

Supplier Address

GroSpurt Enterprises, Inc.  
 PO Box 74031 Hillcrest Park PO  
 3882 Main Street  
 Vancouver, B.C. B5V5C8  
 Canada  
 www.grospurt.com

Emergency telephone number

**Company Phone Number** GroSpurt Enterprises, Inc. : 1-844-616-1444  
 FX: 1-604-326-1102  
**Emergency Telephone** GroSpurt Enterprises, Inc. : 1-604-818-8280

**2. HAZARDS IDENTIFICATION**

Classification

Label elements

**Emergency Overview**

<b>Appearance</b> Paste	<b>Physical state</b> Liquid	<b>Odor</b> Mild
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**Precautionary Statements - Response**

Hazards not otherwise classified (HNOC)

Other information

0.077 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Lanolin	8006-54-0	95-99	*
Gibberellic Acid	77-06-5	1-3	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### First aid measures

<b>Skin contact</b>	Wash with plenty of soap and water. Rinse skin with water/shower. Take off contaminated clothing and wash it before reuse.
<b>Inhalation</b>	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.
<b>Ingestion</b>	If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** Skin irritation, Eye irritation, Respiratory irritation.

#### Indication of any immediate medical attention and special treatment needed

**Self-protection of the first aider** See Section 8 for information on appropriate personal protective equipment.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media:

Use dry chemical, CO<sub>2</sub>, water spray (fog) or alcohol resistant foam.

<b>Small Fire</b>	Dry chemical or CO <sub>2</sub> .
<b>Large Fire</b>	Water spray or fog; Alcohol resistant foam.
<b>Explosive properties:</b>	Not an explosive.

#### Specific hazards arising from the chemical

Dry residue is combustible. Will burn if dried and heated with a flame. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### Specific methods:

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### Special firefighting procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not use a solid water stream as it may scatter and spread fire. Use water spray to keep fire-exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal precautions:** Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Ensure adequate ventilation. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment.
- For emergency responders** Ventilate the area. Use personal protective equipment recommended in Section 8 of the SDS.

### Environmental precautions

- Environmental precautions:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Discharge into the environment must be avoided. Prevent from entering into soil, ditches, sewers, waterways or groundwater.

### Methods and material for containment and cleaning up

- Methods for Containment** Stop leak if you can do it without risk. Dike to collect large liquid spills. Prevent from entering into soil, ditches, sewers, waterways or groundwater. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations.
- Methods for clean-up:** Ventilate the area. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.
- Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

- Handling:** Ensure adequate ventilation. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mists. Protect from physical damage.

### Conditions for safe storage, including any incompatibilities

- Technical measures/precautions:** Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.
- Materials to avoid:** Strong oxidizing agents, Nitric acid, Sulfuric acid.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Lanolin 8006-54-0	-	-	-
Gibberellic Acid 77-06-5	-	-	-

**Appropriate engineering controls**

**Engineering measures:**

Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear: Goggles, Face protection shield.

**Skin and body protection**

Chemical resistant gloves. Recommended Use: Nitrile (consult with the specific manufacturer to confirm performance). Additional body garments should be used based on task being performed.

**Respiratory protection**

Ensure adequate ventilation. Avoid breathing vapor, aerosol or mist. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Paste	Odor threshold	No information available
Color	Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No Data Available	
Melting point/freezing point	<= 38 °C / 100 °F	(based on components)
Boiling point / boiling range	No information available . / .	
Flash point	>= 113 °C / 235 °F	(Based on liquid components)
Evaporation rate		
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No Data Available	
Lower flammability limit	No Data Available	
Vapor pressure	0	Vapor Pressure @25°C (kPa)
Vapor density	No Data Available	Heavier than air
Specific Gravity	0.91	@50°C
Water solubility	Slightly soluble	
Solubility in other solvents	No Data Available	
Partition coefficient	No Data Available	
Autoignition temperature	No Data Available	
Decomposition temperature	No Data Available	
Kinematic viscosity	200-400 mm <sup>2</sup> /s	
Dynamic viscosity	No Data Available	
Explosive properties	No Data Available	
Oxidizing properties	No Data Available	

### Other information

Softening point	No Data Available
Molecular weight	No Data Available
VOC Content (%)	
VOC Content (%)	None
Density	0.91 g/cc
Bulk density	No Data Available

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactivity Stable under recommended storage conditions.

### Chemical stability

**Possibility of Hazardous Reactions** May react with oxidizing agents.  
**Hazardous polymerization** Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks, Incompatible materials. Keep out of reach of children.

### Incompatible materials

**Materials to avoid:** Strong oxidizing agents, Nitric acid, Sulfuric acid.

### Hazardous Decomposition Products

**Hazardous Decomposition Products** Under fire conditions: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	May be harmful if swallowed. May cause eye irritation. May cause skin irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract. Avoid breathing vapors or mists.
<b>Eye contact</b>	May cause irritation.
<b>Skin Contact</b>	May cause irritation. Avoid contact with skin and clothing.
<b>Ingestion</b>	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Lanolin 8006-54-0	> 5000 mg/kg ( Rat )	-	-
Gibberellic Acid 77-06-5	= 6300 mg/kg ( Rat )	>2000 mg/kg (Rabbit)	-

### Information on toxicological effects

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	Skin Sensitization, Respiratory Sensitization: Not classified.
<b>Mutagenic effects:</b>	Gibberellic Acid (CAS# 77-06-5): Histidine reversion (Ames); Genotoxicity in vitro - Human - lymphocyte; DNA Damage, Genotoxicity in vitro - Mammal - lymphocyte; DNA Damage.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Chronic toxicity</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Skin, Respiratory system.
<b>Neurological effects</b>	No information available.
<b>Other adverse effects</b>	Gibberellic Acid (CAS# 77-06-5): To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>Aspiration hazard</b>	No information available.

#### Numerical measures of toxicity - Product Information

<b>Unknown Acute Toxicity</b>	0.077 % of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	5014 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

99 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Gibberellic Acid 77-06-5		>150:96h Oncorhynchus mykiss mg/L LC50 >10: 96h Salmo trutta mg/L LC50		

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Gibberellic Acid 77-06-5	0.24

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

#### **Contaminated packaging**

Dispose of in accordance with federal, state and local regulations. Do not reuse container.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

### Federal Regulations

#### SARA 313

No SARA 313 chemicals are present above the reporting threshold.

#### SARA 311/312 Hazard Categories

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### State Regulations (RTK)

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

#### NFPA Rating

**Health hazards** 2

**Flammability** 1

**Instability** 0

**Physical and Chemical Properties** -

#### HMIS Rating

**Health hazards** 2\*

**Flammability** 1

**Physical hazards** 0

**Personal protection** B

*Chronic Hazard Star Legend*

\* = Chronic Health Hazard

**Prepared by**

**Revision Date**

**Revision Note**

Environmental Health and Safety Department

03-18-2020



**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**