

GROSPURT CANADA

Material Safety Data Sheet

Date 04/11/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **GS-4**

Brand: **GRO-SPURT**

-Company Name:

Grospurt Canada

Acutus Enterprises Inc.

74031 Hillcrest Park PO

3882 Main Street,

Vancouver, B.C. V5V5C8

Canada

Telephone: 1-844-616-1444

Fax: 1-604-326-1102

Emergency Phone number

1-604-818-3366

Website: www.grospurt.com

2. HAZARDS IDENTIFICATION

Signal word Caution Flammable.
Warning-Eye irritant.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

-Chemical name and concentration:

Soluble concentrate containing 4% Gibberellic Acid pure (GA3)

-CAS number: 77-06-5 (active ingredient)

-Synonyms: Gibberellin GA3 - 4.0%

Isopropanol - 99.5%

-Formula: C₁₉H₂₂O₆

C₃H₈O

4. FIRST AID MEASURES

-General advice:

Call a poison control center or call a doctor immediately for treatment advice. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

-If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration or supplemental oxygen. Call a poison control center or doctor.

-In case of skin contact:

Wash off with soap and plenty of water. Remove contaminated clothing. Take care not to contaminate eyes. Call a poison control center or doctor.

-In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and call a poison control center or doctor.

-If swallowed:

Immediately contact a poison control center or doctor for treatment advice. Do not induce vomiting unless advised by medical personnel. Victim should drink milk, egg whites or large quantities of water. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.

5. FIRE-FIGHTING MEASURES

-Conditions of flammability:

Flammable

-Flashpoint:

16.5 deg. C (PM closed cup)

-Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

-Fire-fighting equipment:

Wear full protective clothing and self-contained breathing apparatus.

-Special exposure hazards:

Flammable liquid and vapor.

6. ACCIDENTAL RELEASE MEASURES

-Personal precautions:

Causes eye irritation. DO NOT get in eyes. Wash hands after using product. Wear protective clothing, see Section 8 “Exposure control/personal protection”

-Environmental precautions:

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

-Methods for cleaning up:

If liquid is absorbed onto dry carrier such as dirt, or other absorbent material, then this material should be put in covered labeled containers and disposed of as dry waste in accordance with Federal, Provincial and local hazardous waste disposal regulations.

7. HANDLING AND STORAGE

-Precautions for safe handling:

All personnel who handle this material should be trained to work with it safely. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mists and use in a well-ventilated location. Wash thoroughly after handling.

-Conditions for safe storage:

Store in a cool, dry place and sources of intense heat. Store away from feed, clothing materials and living quarters. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

-Respiratory protection:

As required by conditions. If required, use a NIOSH approved respirator with a vapor cartridge.

-Ventilation:

Ensure that there is adequate ventilation.

-Hand protection:

Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

-Eye protection:

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

-Hygienic practices:

As a general rule do not eat, drink, smoke chew gum or tobacco when handling chemicals. Wash thoroughly after handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

-Appearance:

Physical state:

liquid

Color:

Clear to light-yellow liquid

-Safety data:

Melting point:

No applicable information available

Boiling range:	82-83 deg. C
Flash point:	16.5 deg. C (closed cup)
Vapor pressure:	33 (100%) (mm Hg at 20 deg. C)
Vapor density:	2.1 (100%) (Air=1.0)
Relative density:	0.78-0.79 g/cc
Water solubility:	Miscible in water
Odor:	Pleasant alcohol odor
Odor threshold:	No applicable information available
Evaporation rate:	1.5 (Butyl Acetate =1)
Flammability:	Flammable
Explosive Limits:	Lower explosive limit in air: 2.% (% by V) Upper explosive limit in air: 12.% (% by V)
Auto-ignition temperature:	425C

10. STABILITY AND REACTIVITY

Stable in original containers under recommended storage conditions.

-Possibility of hazardous reactions:

May react with strong oxidizers

-Conditions to avoid:

Excessive heat and direct sunlight. Keep away from sources of ignition

-Materials to avoid:

Strong oxidizing agents

-Hazardous decomposition products:

None under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

-Carcinogenicity Data:

The ingredient(s) of this product is (are) not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.

-Teratogenicity:

Isopropanol alcohol, when administered orally to rats and rabbits produces reduced fetal bodyweights in rats only at doses which result in treatment related to maternal deaths and produces no indication of fetal effects in rabbits, even at dose which results in significant maternal mortality. Isopropanol alcohol produces no evidence of developmental neurotoxicity.

12. ECOLOGICAL INFORMATION

-Environmental effects:

Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds or rivers. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, streams or public waterways.

Block off drains and ditches.

-Persistence and Degradation:

Active ingredient is non-toxic and degrades rapidly under biological condition. No food chain concentration potential.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: Dispose of product in compliance with all federal, provincial and local laws concerning health and environment.

-Empty containers

Do not reuse this container for any purpose. This is a recyclable container and dispose of them properly according to regulations on empty containers in your locality or make available to a container recycling facility.

1-Triple or pressure rinse the empty container. Add rinsing's to the spray mixture in the tank.

2-Make the empty, rinsed container unsuitable for further use.

14. TRANSPORT INFORMATION**CANADIAN TDG ACT SHIPPING DESCRIPTION:**

- Limited Quantities Exemption SOR/2008-34
 - Label -Carton quantities of 12L only require "LIMITED QUANTITY" label
 - Pallet quantity of 50 boxes require "OVERPACK" label
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15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Chemical Name: GIBBERELIC ACID (active ingredient)

ISOPROPANOL ALCOHOL Solution: WHMIS B-2, D2B

-CANADIAN DSL INVENTORY: The components of this material are listed on the DSL Inventory.

16. OTHER INFORMATION

Further information:

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Grospurt Canada/Acutus Enterprises Inc. will not be liable for any damages, losses, injuries or consequential damages, which may result from the use of or reliance on any information, contained herein.