

SAFETY DATA SHEET

Issuing Date 1/16/20 **Revision Date** 04/12/2019 **Revision Number** 0

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

Product Name: **Root Boost**

Other means of Identification

Synonyms: none

Recommended use of the chemical and restrictions on use

Recommended Use: No information available

Uses advised against: No information available

Supplier's Details**Supplier Address**

Chicago Aerosol
1300 North St.
Coal City, IL 60416
Tel: 815-634-5100

Emergency telephone number

Emergency Telephone 1-866-634-5100
Number Chemtrec 1-800-424-9300

2. HAZARD IDENTIFICATION**Classification**





| | |
|---|-------------|
| Serious Eye Damage/Eye Irritation | Category 2A |
| Specific Target Organ Systemic toxicity (Single Exposure) | Category 3 |
| Simple Asphyxiant | Yes |
| Flammable Aerosols | Category 1 |
| Gases Under Pressure | |

GHS label elements, including precautionary statements**EMERGENCY OVERVIEW**

Signal Word **Danger**

Hazard Statements

- Causes serious eye irritation
- May cause respiratory irritation
- May cause drowsiness or dizziness
- Extremely flammable aerosol

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|  |  |  |  |
| Appearance Clear | Physical State Aerosol | | Odor Odor Fragranced |

Precautionary Statements**Prevention**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Wash face, hands and any exposed skin thoroughly after handling.
- Wear eye/face protection.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.

General Advice

- If exposed or concerned: Get medical attention/advice

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Rapid evaporation of the liquid may cause frostbite.

Other information

May be harmful if inhaled. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Trade Secret |
|--------------------|----------|----------|--------------|
| Dimethyl Ether | 115-10-6 | < 10 | * |
| Ethane1-1-Difluoro | 75-37-6 | < 25 | * |
| | | | |
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**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

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| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists. |
| Skin Contact | Wash off with warm water and soap. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Get medical attention if symptoms occur. |
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention. |

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Eye irritation/reactions. Frostbite. Drowsiness. Dizziness. Simple asphyxiant.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant foam. Water fog.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

No information available.

Hazardous Combustion Products Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to Mechanical Impact Yes

Sensitivity to Static Discharge Yes

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Contents under pressure. Remove all sources of ignition. Do not puncture or incinerate cans. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

Incompatible Products Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
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Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No protective equipment is needed under normal use conditions. Risk of contact, wear: Safety glasses with side-shields.

Skin and Body Protection No protective equipment is needed under normal use conditions. Lightweight protective clothing. Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|----------------|------------|----------------|--------------------------|
| Physical State | Aerosol | Appearance | Clear |
| Odor | Fragranced | Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|------------------------------------|----------------------|---------------------------------|
| pH | No data available | Enter here |
| Melting Point/Range | No data available | Enter here |
| Boiling Point/Boiling Range | No data available | for concentrate |

| | | |
|---|-------------------|------------------------------|
| Flash Point | No data available | Open cup (for pure ethanol) |
| Evaporation rate | > 1 | Enter here |
| Flammability (solid, gas) | No data available | Enter here |
| Flammability Limits in Air | No data available | Enter here |
| upper flammability limit | No data available | Enter here |
| lower flammability limit | No data available | Enter here |
| Vapor Pressure | 45-55 psig @ 70 F | Enter here |
| Vapor Density | No data available | Enter here |
| Specific Gravity | 1.02 | water = 1 |
| Water Solubility | No data available | Enter here |
| Solubility in other solvents | No data available | Enter here |
| Partition coefficient: n-octanol/water | No data available | Enter here |
| Autoignition Temperature | No data available | Enter here |
| Decomposition Temperature | No data available | Enter here |
| Viscosity | No data available | Enter here |
| Flammable Properties | Not Flammable | Enter here |
| Explosive Properties | No data available | Enter here |
| Oxidizing Properties | No data available | Enter here |

Other information

VOC Content (%) 6%

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Inhalation**

May cause irritation of respiratory tract. May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be

Eye Contact

Contact with eyes may cause serious eye irritation based on the components present within the product.

Skin Contact

Contact with product may cause frostbite.

Ingestion

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|-----------|-------------|-----------------|
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Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes. Avoid skin contact with leaking liquid (danger of frostbite).

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
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Reproductive Toxicity No information available.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure No information available.

Aspiration Hazard No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 8538 mg/kg; Acute toxicity estimate

LD50 Dermal 23700 mg/kg; Acute toxicity estimate

Inhalation mg/L; Acute toxicity estimate

Vapor 134.2 mg/L; Acute toxicity estimate

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---------------|-------------------|------------------|----------------------------|----------------------------|
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Persistence and Degradability No information available.

Bioaccumulation No information available.

| Chemical Name | Log Pow |
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| | |

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

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

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Proper shipping name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity, ORM-D
Emergency Response Guide Number 126

TDG

UN-Number UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Description UN1950, Aerosols, 2.1

MEX

UN-Number UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Description UN1950, Aerosols, 2.1

ICAO

UN-Number ID8000
Proper Shipping Name Consumer commodity
Hazard Class 9
Description ID8000, Consumer commodity, 9

IATA

UN-Number ID8000
Proper Shipping Name Consumer commodity
Hazard Class 9
ERG Code 9L
Description ID8000, Consumer commodity, 9

IMDG/IMO

| | |
|----------------------|-------------------------------------|
| UN-Number | UN1950 |
| Proper Shipping Name | Aerosols |
| Hazard Class | 2 |
| EmS No. | F-D, S-U |
| Description | UN1950, Aerosols, 2.1 (18.3°C o.c.) |

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| 15. REGULATORY INFORMATION |
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International Inventories

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| TSCA | All components of this product are either listed or are exempt on the TSCA inventory. |
| DSL | Substances comply or are exempt |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|---------------|--------|----------|-------------------------------|
| | | | |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | Yes |
| Reactive Hazard | No |

Clean Water Act

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
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CERCLA

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---------------|--------------------------|------------------------------------|----|
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U.S. State Regulations**California Proposition 65**

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

| Chemical Name | CAS-No | California Prop. 65 |
|---------------|--------|---------------------|
| | | |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|---------------|------------|---------------|--------------|----------|--------------|
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U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

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|--------------------|------------------------|-----------------------|--------------------------|--------------------------------------|
| <u>NFPA</u> | Health Hazard 2 | Flammability 2 | Instability 0 | Physical and Chemical Hazards |
| <u>HMIS</u> | Health Hazard 2 | Flammability 2 | Physical Hazard 0 | Personal Protection X |

**Indicates a chronic health hazard.*

Prepared By Chicago Aerosol
 1300 North St
 Coal City, IL 60416
 1-800-572-6501

Issuing Date 15-אפר-24**Revision Date** 15-אפר-24**Revision Note** Initial Release.**General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Safety Data Sheet