



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Dormant Spray

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Dormant Spray
Product number	32033; 32034; 32043
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 7401-428

Recommended use of the chemical and restrictions on use

Insecticide, Fungicide

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA

Telephone	855-270-4776
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Emergency phone number

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

GHS label elements, including precautionary statements

Hazard statement(s)

H312	Harmful in contact with skin
H320	Causes eye irritation

Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.

SECTION 3: Composition/information on ingredients

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Mixtures

Hazardous components

Component	Concentration
Mineral oil (CAS no.: 8042-47-5; EC no.: 232-455-8)	Not specified
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. 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 immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.
Personal protective equipment for first-aid responders	Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

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Indication of immediate medical attention and special treatment needed, if necessary
No information available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water fog, foam, dry chemical, carbon dioxide

Specific hazards arising from the chemical

None known

Special protective actions for fire-fighters

Wear self-contained breathing apparatus.

Further information

INCOMPATIBILITY

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and asphyxiates

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact.

Environmental precautions

Dispose of in accordance with Federal, State, and local regulations.

Methods and materials for containment and cleaning up

Dike spill and absorb with an absorbent material, scoop into container for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Do not store with strong oxidizers. Do not store with food, feed or seed.

Conditions for safe storage, including any incompatibilities

Avoid storing with strong oxidizers.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Mineral oil (CAS: 8042-47-5 EC: 232-455-8)

TWA [White mineral oil] (Inhalation): 5 mg/m³; USA (ACGIH)
USA. ACGIH Threshold Limit Values
(TLV)

ST [White mineral oil] (Inhalation): 10 mg/m³; USA (OSHA)
USA. NIOSH Recommended Exposure Limits

TWA [White mineral oil] (Inhalation): 5 mg/m³; USA (NIOSH)
USA. NIOSH Recommended Exposure Limits

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TWA [White mineral oil] (Inhalation): 5 mg/m³; USA (OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

PEL [White mineral oil] (Inhalation): 5 mg/m³; USA (Cal/OSHA)
California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

Skin protection

PVC or Neoprene gloves

Body protection

Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

Respiratory protection

NIOSH/MSHA approved for protection

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Colorless liquid
Odor	Little odor
Odor threshold	None known
pH	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	340°C
Evaporation rate	<1
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	<0.0001
Vapor density	10
Relative density	No information available
Solubility(ies)	Miscible
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	343.33°C
Decomposition temperature	No information available
Viscosity	No information available

Additional properties

Physical state	Liquid
Color	Colorless
Explosive properties	No information available

SECTION 10: Stability and reactivity

Reactivity

No information available.

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Chemical stability

Stable.

Possibility of hazardous reactions

Polymerization will not occur.

Conditions to avoid

Extremely high or low temperatures.

Incompatible materials

Mineral oil: Strong oxidizing agents

Hazardous decomposition products

Mineral oil: Hazardous decomposition products formed under fire conditions. - Carbon monoxide and asphyxiates

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

LD50 Inhalation - Rat - 5 mg/l - 4 h

LD50 Skin - Rabbit - >2,000 mg/kg

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Excessive exposures can cause irritation of the eyes, nose and throat.

Prolonged and repeated skin contact can cause defatting of the skin. Can be harmful or fatal if swallowed.

Skin corrosion/irritation

Not classified.

Serious eye damage/irritation

Not classified.

Respiratory or skin sensitization

Not classified.

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

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Reproductive toxicity

Not classified

Specific target organ toxicity (STOT) - single exposure

Not classified

Specific target organ toxicity (STOT) - repeated exposure

Not classified

Aspiration hazard

Not classified

SECTION 12: Ecological information

Toxicity

White mineral oil

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LD50 Skin - Rabbit - >2,000 mg/kg

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LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Persistence and degradability

Not established.

Bioaccumulative potential

No bioaccumulative data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)

Not Regulated

IMDG

Not Regulated

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IATA
Not Regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

No SARA Hazards for: Mineral oil.

SARA 313 Components

This material [Mineral oil] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302 Components

No chemicals in this material [Mineral oil] are subject to the reporting requirements of SARA Title III, Section 302.

US EPA TSCA public inventory

Chemical name: White mineral oil (petroleum)

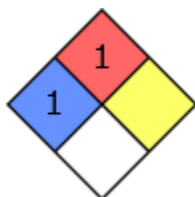
CAS number: 8042-47-5

Water hazard class (WGK, Germany)

Chemical name: Mineral oil, cas number: 8042-47-5

WGK hazard class: WGK 1 - Slightly hazardous to water

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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