



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Stump Remover

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Stump Remover

Supplier's details

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

Telephone 855-270-4776

Emergency phone number(s)

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

General hazard statement

OXIDIZER:

MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES.
CONTACT WITH ORGANIC MATERIAL MAY CAUSE FIRE.

Classification of the substance or mixture

GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H270

May cause or intensify fire; oxidizer

Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component
Potassium nitrate (CAS no.: 7757-79-1)

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.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO₂, Halon, or flood with water.

Specific hazards arising from the chemical

Decomposition of material releases oxygen, if contained, can increase explosive limits and burning rate. If large quantities are involved, nitrates may melt and molten material may scatter if water is applied. Contact with easily oxidizable, organic, or other combustible materials may result in ignition, violent combustion or explosion.

Special protective actions for fire-fighters

Fire fighters should wear self-contained breathing apparatus and full protective gear. Use water spray to cool nearby containers and structures exposed to fire. Cool containers with water and move from area, if possible. Apply water in flooding quantities from as far a distance as possible. Keep run-off away from water sources and sewers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Utilize protective equipment. Sweep up or shovel into labeled DOT-approved waste containers. Keep out of sewers, storm drains, surface waters, and soil. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of wastes.

Environmental precautions

Keep out of sewers, storm drains, surface waters, and soil. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of wastes.

Methods and materials for containment and cleaning up

Store in a cool, dry, well ventilated area and protect from physical damage. Separate from combustible, organic or other readily oxidizable materials. Prevent contamination with other agents.

SECTION 7: Handling and storage

Precautions for safe handling

Immediately remove and dispose of any spilled substance.

Utilize protective equipment. Sweep up or shovel into labeled DOT-approved waste containers. Keep out of sewers, storm drains, surface waters, and soil. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of wastes.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area and protect from physical damage. Separate from combustible, organic or other readily oxidizable materials. Avoid storage on wood floors. Prevent contamination with other agents.

SECTION 8: Exposure controls/personal protection

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

Causes serious eye irritation. Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

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Skin protection

Prolonged or repeated contact with the dust may irritate the skin. 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 respiratory devices to protect against dusts

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Prilled white crystalline solid
Odor	odorless
Odor threshold	
pH	6 to 10.5 (Conc. (% w/w): 10) [Basic.]
Melting point/freezing point	333.85°C (632.9°F)
Initial boiling point and boiling range	1385 degrees F
Flash point	
Evaporation rate	Non-volatile
Flammability (solid, gas)	
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	<0.1 kPa (<1 mm Hg) (at 20°C)
Vapor density	Non-volatile
Relative density	
Solubility(ies)	Appreciable (13%)
Partition coefficient: n-octanol/water	Will not evolve flammable or toxic gases
Auto-ignition temperature	
Decomposition temperature	
Viscosity	Non-viscous substance
Explosive properties	
Oxidizing properties	

Other safety information

SPECIFIC GRAVITY: 2.11

SECTION 10: Stability and reactivity

Reactivity

Polymerization: Will not occur

Chemical stability

Stable

Possibility of hazardous reactions

Decomposition of material releases oxygen, if contained, can increase explosive limits and burning rate. If large quantities are involved, nitrates may melt and molten material may scatter if water is applied. Contact with easily oxidizable, organic, or other combustible materials may result in ignition, violent combustion or explosion.

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Conditions to avoid

Excessive temperatures and contamination.

Incompatible materials

Wood, cloth, or organic materials; reducing agents: Sb, Sb₂, As₃, As, As₂S₃, Ba S, B, Bp, Ca S, F₂, Cu₃ P₂, Ge, Ge S, Sodium acetate, sodium hypophosphite, Ti, Ti S₂, Zn, Zr, trichloroethylene, metals, phosphides, thorium dicarbide.

Hazardous decomposition products

Thermal decomposition will produce toxic oxides of nitrogen and potassium.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Disorders of the skin, eyes, digestive system, respiratory system, kidneys, or blood.

Skin corrosion/irritation

Prolonged or repeated contact with the dust may irritate the skin.

Serious eye damage/irritation

Dusts may irritate the eyes.

Respiratory or skin sensitization

Inhalation may result in respiratory irritation, coughing and shortness of breath.

Carcinogenicity

Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

STOT-single exposure

ACUTE OVEREXPOSURE: Inhalation may result in respiratory irritation, coughing and shortness of breath. Dusts may irritate the eyes. Prolonged or repeated contact with the dust may irritate the skin. Ingestion will cause irritation to the mouth and gastrointestinal tract. Large doses may be fatal. Symptoms include dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, convulsions, and collapse. Small repeated doses may lead to weakness, depression, headache, and mental impairment.

CHRONIC OVER EXPOSURE: Anemia, nephritis and methemoglobinemia.

STOT-repeated exposure

Repeated or prolonged exposure to the substance can produce target organs damage.

Aspiration hazard

Practically non-toxic if swallowed. Ingestion may cause gastrointestinal irritation, vomiting and diarrhea.

SECTION 12: Ecological information

Persistence and degradability

Not applicable, since inorganic substance

Bioaccumulative potential

Not applicable

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Mobility in soil

Soluble in cold water, hot water

Results of PBT and vPvB assessment

Other adverse effects

Substances, which contribute to eutrophication: Nitrates

SECTION 13: Disposal considerations

Disposal of the product

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.

Disposal of contaminated packaging

NOTE: Empty containers can have residue, gases and mists and are subject to proper waste disposal as above.

SECTION 14: Transport information

DOT (US)

Proper Shipping Name: Potassium Nitrate

Class: 5.1

ID#: UN 1486

Packing Group: III

Limited Quantity: Yes

IMDG

Proper Shipping Name: Potassium Nitrate

Class: 5.1

ID#: UN 1486

Packing Group: III

Limited Quantity: Yes

IATA

Proper Shipping Name: Potassium Nitrate

Class: 5.1

ID#: UN 1486

Packing Group: III

Limited Quantity: Yes

SECTION 15: Regulatory information

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

New Jersey Right To Know Components

Common name: POTASSIUM NITRATE

CAS number: 7757-79-1

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Pennsylvania Right To Know Components

Chemical name: Nitric acid, potassium salt

CAS number: 7757-79-1

Chemical Safety Assessment

OXIDIZER.

MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES.

CONTACT WITH ORGANIC MATERIAL MAY CAUSE FIRE.

HMIS Rating

Hi-Yield® Stump Remover	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

NFPA Rating



SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.