



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Stump Remover

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Stump Remover
Product number	32015
Brand	Hi-Yield

Recommended use of the chemical and restrictions on use
Stump Remover Granules

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA
Telephone	855-270-4776

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)

- Acute toxicity, oral, Cat. 4
- Eye damage/irritation, Cat. 1

GHS label elements, including precautionary statements

Pictograms



Hazard statement(s)

H302	Harmful if swallowed
H318	Causes serious eye damage

Precautionary statement(s)

P264	Wash ... thoroughly after handling.
------	-------------------------------------

Safety Data Sheet

Hi-Yield Stump Remover

P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,
P330	Rinse mouth.
P501	Dispose of contents/container to ...
P280	Wear eye protection/face protection/protective gloves/protective clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...

Other hazards which do not result in classification

Contact with acids liberates toxic gas

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Sodium metabisulfite (CAS no.: 7681-57-4; EC no.: 231-673-0; Index no.: 016-063-00-2)	96.5 - 100 %
CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Eye damage/irritation, Cat. 1. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.
If inhaled	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
In case of skin contact	Wash off immediately with plenty of water. Remove all contaminated clothes and shoes. If skin irritation persists, call a doctor/physician.
In case of eye contact	Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do so. Keep eye wide open while rinsing. Continue rinsing for 15 minutes. Call a doctor/physician immediately.
If swallowed	If swallowed, give several glasses of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

None known

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

None known

SECTION 5: Fire-fighting measures

Safety Data Sheet

Hi-Yield Stump Remover

Suitable extinguishing media

Use any means suitable for extinguishing surrounding fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to:

Sodium Oxides

Sulfur Oxides

Special protective actions for fire-fighters

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists.

Environmental precautions

Prevent entry into waterways or sewers.

Methods and materials for containment and cleaning up

Sweep or vacuum up and place in an appropriate closed container. Keep unauthorized personnel away. Avoid generating dust.

SECTION 7: Handling and storage

Precautions for safe handling

Do not breathe dust. Avoid contact with eyes, skin and clothing. Do not ingest. Wear eye/face protection. Do not use in

areas without adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing before

re-use. Do not eat, drink or smoke when using this product. Clean equipment and work area regularly.

Conditions for safe storage, including any incompatibilities

Store in a cool/low-temperature, well-ventilated, dry place. Keep containers closed and labeled when not in use.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Sodium metabisulfite (CAS: 7681-57-4 EC: 231-673-0)

STEL (Inhalation): 5 mg/m³ (STEL) (ACGIH)

REL-TWA (Inhalation): 5 mg/m³ (NIOSH)

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable

exposure limits, job activities and other substances in the work place when designing controls and selecting personal

protective equipment.

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

Eye/face protection

Safety Data Sheet

Hi-Yield Stump Remover

No information available.

Skin protection

Wear protective gloves. Wash hands thoroughly with soap and water after handling product.

Body protection

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	White powder
Odor	Pungent
Odor threshold	Unknown
pH	4.38
Melting point/freezing point	333.85°C
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	78 lb/ft ³
Solubility(ies)	in water: 667 g/L @ 25C
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Additional properties	
Physical state	Solid
Color	White

SECTION 10: Stability and reactivity

Reactivity

None known under normal conditions.

Chemical stability

Stable under ordinary conditions of use and storage.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid

Do not mix with other chemicals. Avoid excessive heating.

Incompatible materials

Strong acids.

Safety Data Sheet

Hi-Yield Stump Remover

Hazardous decomposition products

None known

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Sodium metabisulfite

LD50 Oral - Rat - 1,540 mg/kg

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

LC50 - Oncorhynchus mykiss (rainbow trout) - 150 - 220 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 89 mg/l - 24 h

IC50 - Desmodemus subspicatus (chodat) - 48 mg/l - 72 h

Rabbit

Result: Risk of serious damage to eyes.

Result: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals

Skin corrosion/irritation

May cause skin irritation

Serious eye damage/irritation

Causes serious eye damage

Respiratory or skin sensitization

May cause irritation of respiratory tract

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity (STOT) - single exposure

No data available

Specific target organ toxicity (STOT) - repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information

Other adverse effects

Should not be released to environment

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Safety Data Sheet

Hi-Yield Stump Remover

Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

New Jersey Right To Know Components

Common name: Sodium metabisulfite

CAS number: 7681-57-4

Listing note: CO-corrosive.

Pennsylvania Right To Know Components

Chemical name: Disulfurous acid, disodium salt

CAS number: 7681-57-4

SARA 311/312 Hazards

Acute Health Hazard for: Sodium Metabisulfite.

US EPA TSCA public inventory

Chemical name: Disulfurous acid, sodium salt (1:2)

CAS number: 7681-57-4

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Sodium metabisulfite

CAS number: 7681-57-4

Asterisk: no; Refs: 4

Water hazard class (WGK, Germany)

Chemical name: Sodium metabisulfite, cas number: 7681-57-4

WGK hazard class: WGK 1 - Slightly hazardous to water

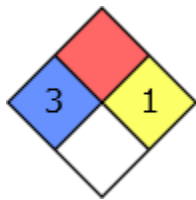
HMIS Rating

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

NFPA Rating

Safety Data Sheet

Hi-Yield Stump Remover



SECTION 16: Other information

Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.