



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Systemic Spray RTS

SECTION 1: Identification

GHS Product identifier

| | |
|----------------|-----------------------------|
| Product name | Hi-Yield Systemic Spray RTS |
| Product number | 30206; 30206Q |
| Brand | Hi-Yield |

Other means of identification

EPA Reg. No. 53883-205-7401

Recommended use of the chemical and restrictions on use

Insecticide.

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

General hazard statement

Wash hand thoroughly after handling. Do not eat, drink or smoke when using this product. 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 or attention. Contact Safety Call® International for emergency medical treatment at (866) 897-8050.

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)

| | |
|------|-----------------------|
| H320 | Causes eye irritation |
|------|-----------------------|

Precautionary statement(s)

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P103
P102

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

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

| Component | Concentration |
|---|---------------|
| Imidacloprid (CAS no.: 138261-41-3) | 1.47 % |
| CLASSIFICATIONS: No data available. HAZARDS: No data available. | |

SECTION 4: First-aid measures

Description of necessary first-aid measures

| | |
|-------------------------|---|
| General advice | Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information. |
| If inhaled | <ul style="list-style-type: none">x Assure fresh air breathing.x Allow the person to rest.x Obtain medical attention. |
| In case of skin contact | <ul style="list-style-type: none">x Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| In case of eye contact | <ul style="list-style-type: none">x Hold eye open and rinse slowly and gently with water for 15-20 minutes.x Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.x Call a poison control center or doctor for treatment advice. |
| If swallowed | <ul style="list-style-type: none">x Call a poison control center or doctor immediately for treatment advice.x Have person sip a glass of water if able to swallow.x Do not induce vomiting unless told to do so by a poison control center or doctor.x Do not give anything by mouth to an unconscious person. |

Most important symptoms/effects, acute and delayed

Eye contact may cause mechanical irritation and possible eye injury. May cause mechanical skin and respiratory irritation.

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

No specific antidote is available. Treat the patient symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water spray, CO₂, foam, dry chemical.

Specific hazards arising from the chemical

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In the event of fire, irritating and toxic gasses can release due to thermal decomposition or combustion. Thermal decomposition or combustion may produce gases such as hydrogen chloride, hydrogen cyanide, and oxides of carbon and nitrogen.

Special protective actions for fire-fighters

Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike areas to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Carefully handle the container to prevent spills. If material is spilled, carefully contain any material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed in the product label.

Methods and materials for containment and cleaning up

Keep unprotected persons and animals out of the area. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Avoid dust formation. Avoid contact breathing dust. Avoid contact with skin and eyes. Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

SECTION 7: Handling and storage

Precautions for safe handling

Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Avoid breathing dust or vapor. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Conditions for safe storage, including any incompatibilities

Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet. Protect from freezing.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

To avoid exceeding exposure limits, handle only with adequate ventilation.

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

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection

Long-sleeved shirt and long pants. Shoes plus socks.

Body protection

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

Respiratory protection

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Not normally required. When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

SECTION 9: Physical and chemical properties

| | |
|--|---------------------------|
| Appearance (physical state, color, etc.) | Milky-white liquid |
| Odor | Mild chemical |
| Odor threshold | None known |
| pH | 6.03 ± 0.03 |
| Melting point/freezing point | No information available. |
| Initial boiling point and boiling range | No information available. |
| Flash point | No information available. |
| Evaporation rate | No information available. |
| Flammability (solid, gas) | No information available. |
| Upper/lower flammability or explosive limits | No information available. |
| Vapor pressure | No information available. |
| Vapor density | No information available. |
| Relative density | 1.013 g/ml |
| Solubility(ies) | No information available. |
| Partition coefficient: n-octanol/water | No information available. |
| Auto-ignition temperature | No information available. |
| Decomposition temperature | No information available. |
| Viscosity | No information available. |
| Additional properties | |
| Physical state | Liquid |
| Color | Milky-white |

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Will not occur.

Conditions to avoid

Not known.

Incompatible materials

Unknown.

Hazardous decomposition products

Thermal decomposition or combustion may produce gases such as hydrogen chloride, hydrogen cyanide, and oxides of carbon and nitrogen.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Oral LD50 (Rat): > 4,143 mg/kg (female); 4870 mg/kg (male) Acute Dermal

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LD50 (Rabbit): > 2,000 mg/kg (female and male)
Acute Inhalation LC50 (Rat): > 5.33 mg/L (4-h) Eye Irritation
(Rabbit): Minimally irritating
Skin Irritation (Rabbit): Non-irritating
Dermal Sensitization: Not a skin sensitizer

Skin corrosion/irritation

Skin: May cause slight irritation. Harmful if absorbed through skin.

Serious eye damage/irritation

Eye : Cause eye irritation

Respiratory or skin sensitization

Harmful if inhaled.

Germ cell mutagenicity

The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

Carcinogenicity

In oncogenicity studies in rats and mice, imidacloprid was not considered carcinogenic in either species.

Reproductive toxicity

REPRODUCTION: In a two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.

DEVELOPMENTAL TOXICITY: In developmental toxicity studies in rats and rabbits, there was no evidence of an embryotoxic or teratogenic potential for imidacloprid. In both species, developmental effects were observed only at high doses and in conjunction with maternal toxicity.

Specific target organ toxicity (STOT) - single exposure

In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroids and/or liver at high dose levels.

Specific target organ toxicity (STOT) - repeated exposure

In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroids and/or liver at high dose levels.

Aspiration hazard

No information available.

SECTION 12: Ecological information

Toxicity

Rainbow Trout: 211 mg/L
LD50 Bobwhite Quail: 152 mg/kg
EC50 (48h) Daphnia magna: 85 mg/L EC50 (72h)
Algae: > 10 mg/L
Bee LD50: 0.008 ug/bee

Persistence and degradability

Hydrolysis half-life of Imidacloprid is greater than 30 days at pH 7 and 25°C. The aqueous photolysis half-life is less than 3 hours. The soil surface photolysis of Imidacloprid has a half-life of 39 days, and in soil, the half-life ranged from

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26 to 229 days.

Other adverse effects

This pesticide is toxic to aquatic invertebrates. Do not apply directly to lakes, streams or ponds. Do not dump rinse water into sewers or other bodies of water.

This product can kill bees and other insect pollinators. Follow application restrictions found in the directions for use to protect pollinators.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Packaging disposal

Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

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

Labeling requirements under FIFRA

Product name: Hi-Yield Systemic Spray RTS

SARA 311/312 Hazards

Product name: Hi-Yield Systemic Spray RTS

Toxic Substances Control Act (TSCA) Inventory

Product name: Hi-Yield Systemic Spray RTS

New Jersey Right To Know Components

Product name: Hi-Yield Systemic Spray RTS

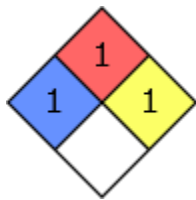
Pennsylvania Right To Know Components

Product name: Hi-Yield Systemic Spray RTS

NFPA Rating

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SECTION 16: Other information

Further information/disclaimer

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