



## S A F E T Y   D A T A   S H E E T (GHS)

### SECTION 1 – IDENTIFICATION OF THE PRODUCT AND COMPANY

- 1.1. PRODUCT NAME:**            **PYRANHA® 1-10® HPS**  
**EPA REG. No.:** 21165-30   **EPA Est. No:** 44446-TX-1
- 1.2. PRODUCT DESCRIPTION:** Space spray concentrate - insecticide/repellent.
- 1.3. MANUFACTURER:**        Pyranha, Inc.  
6602 Cunningham Rd.  
Houston, Texas 77041  
[www.pyranhainc.com](http://www.pyranhainc.com)  
(800) 231-2966
- 1.4. EMERGENCY TEL:**        (800) 222-1222
- 1.5. RECOMMENDED USE:**    For use in barns, dog kennels, animal quarters, automatic spray systems and handheld sprayers.

### SECTION 2 – HAZARDS IDENTIFICATION

**2.1. CLASSIFICATIONS:**

**HEALTH:**                    Acute Toxicity (Oral), Category 4  
Acute Toxicity (Inhalation), Category 4  
Skin Corrosion / Irritation, Category 2  
Serious Eye Damage / Eye Irritation, Category 2B

**ENVIRONMENTAL:**    Acute Hazards to the Aquatic Environment, Category 1

**2.2. LABEL:**



**Aquatic Toxicity**



**Irritant (skin and eye)**

**2.3. SIGNAL WORD:**        **WARNING**

**2.4. HAZARD STATEMENTS:** Harmful if swallowed.  
Causes moderate eye and skin irritation.  
Extremely toxic to aquatic life.

**2.5. PRECAUTIONARY STATEMENTS:**

Do not apply where run-off may enter lakes, streams or ponds.  
Do not contaminate water, food or feed stuffs.  
Avoid contact with skin, eyes or clothing.

Avoid breathing vapors or spray mist.  
 Keep out of reach of children.  
 Keep and wash PPE separately from other laundry.  
 Discard clothing and other absorbent material that have been drenched or heavily contaminated.

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### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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#### 3.1. MIXTURES:

| CHEMICAL NAME      | Wt. %  | CAS No.         |
|--------------------|--------|-----------------|
| Pyrethrins         | 0.30 % | CAS# 8003-34-7  |
| Piperonyl Butoxide | 3.00 % | CAS# 51-03-6    |
| Permethrin         | 0.60 % | CAS# 52645-53-1 |

The inert ingredients not identified are proprietary, non-hazardous and/or are below reportable limits.

The above listed values are typical and do not represent a product specification.

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### SECTION 4 – FIRST-AID MEASURES

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#### 4.1. FIRST AID INSTRUCTIONS:

- EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Seek medical care if irritation persists.
- SKIN:** Flush with fresh water, remove contaminated clothing. For minor skin contact, avoid spreading material on unaffected skin. Wash the affected area with soap and water.
- INHALATION:** Move to fresh air. If not breathing, call 911, then give artificial respiration, preferable mouth-to-mouth. Get medical attention.
- INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### 4.2. INDICATION OF IMMEDIATE MEDICAL ATTENTION:

None identified.

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### SECTION 5 – FIRE-FIGHTING MEASURES

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**5.1. FLAMMABLE CLASS:** Not classified as flammable nor combustible by OSHA criteria.

**5.2. EXTINGUISHING MEDIA:** Chemical foam, dry chemical, or carbon dioxide (CO<sub>2</sub>)

**5.3. SPECIAL PROCEDURES:** Use a full-faced self-contained breathing apparatus (SCBA) and full protective gear.  
 Cool nearby containers and equipment to prevent pressure build up and possible explosion.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**


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- 6.1. RESPONSE TO SPILLS:** Stop leak, if possible without risk. Dike or contain spill. Collect and return large amounts to container. Soak up with absorbent material and discard with chemical waste.
- 6.2. WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations. Do not place product down any indoor/outdoor drain. Do not contaminate water ways. Do not reuse container, recycle if available.

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**SECTION 7 – HANDLING AND STORAGE**


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- 7.1. SAFE HANDLING:** Keep out of reach of children.  
Avoid inhaling concentrated vapors.  
Wash hands thoroughly with soap and water after handling.  
Do not apply directly to water.
- 7.2. SAFE STORAGE:** Store in the original container in a cool, dry place.  
Do not contaminate water, food or feed stuffs.

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**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**


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- 8.1. ENGINEERING CONTROLS:** Provide adequate ventilation. Eye wash station is recommended.
- 8.2. PERSONAL PROTECTIVE EQUIPMENT:**  
**RESPIRATORY PROTECTION:** Not normally required
- SKIN PROTECTION:** Wear long sleeved shirt, long pants, socks and shoes. Rubber or Neoprene
- EYE PROTECTION:** Safety Glasses/Goggles as needed.
- 8.3. OTHER PRECAUTIONS:** Keep out of reach of children. Avoid contact with skin, eyes or clothing  
Wash hands thoroughly with soap and water after handling and before eating, drinking and using the toilet.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**


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- 9.1. APPEARANCE:** Hazy, yellow liquid
- 9.2. ODOR:** Slight citrus odor
- 9.3. SOLUBILITY WATER:** Miscible
- 9.4. pH:** 6.5
- 9.5. SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.01

|   |                                   |
|---|-----------------------------------|
| <b>9.6. FLAMMABILITY (solid, gas):</b>                    | Not applicable                    |
| <b>9.7. BOILING POINT:</b>                                | >212°F (100°C)                    |
| <b>9.8. EVAPORATION RATE (H<sub>2</sub>O=1):</b>          | < 1                               |
| <b>9.9. VAPOR DENSITY (air=1):</b>                        | >1                                |
| <b>9.10. VAPOR PRESSURE:</b>                              | Not determined                    |
| <b>9.11. ODOR THRESHOLD:</b>                              | None established                  |
| <b>9.12. PARTITION COEFFICIENT:</b>                       | n-octanol/water: none established |
| <b>9.13. DECOMPOSITION TEMPERATURE:</b>                   | Not determined                    |
| <b>9.14. VISCOSITY:</b>                                   | Not determined                    |
| <b>9.15. AUTO-IGNITION TEMPERATURE:</b>                   | Not determined                    |
| <b>9.16. RELATIVE DENSITY:</b>                            | Not determined                    |
| <b>9.17. MELTING POINT/FREEZING POINT:</b>                | Not determined                    |
| <b>9.18. FLASH POINT:</b>                                 | Not flammable                     |
| <b>9.19. UPPER/LOWER FLAMMABILITY OR EXPOSURE LIMITS:</b> | Not determined                    |

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## SECTION 10 – STABILITY AND REACTION

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| <b>10.1. REACTIVITY:</b>                       | Not likely to react under normal storage and use conditions.                               |
| <b>10.2. CHEMICAL STABILITY:</b>               | Stable under normal ambient temperature and conditions.<br>No stabilizers needed.          |
| <b>10.3. HAZARDOUS POLYMERIZATION:</b>         | Hazardous polymerization does not occur.   |
| <b>10.4. HAZARDOUS DECOMPOSITION PRODUCTS:</b> | Carbon monoxide, Carbon dioxide (CO <sub>2</sub> )   |
| <b>10.5. OTHER:</b>                            | Not compatible with strong acids or bases.<br>Not compatible with strong oxidizing agents. |

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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|-------------------------|---------------------|
| <b>11.1. ACUTE:</b>     |                     |
| <b>DERMAL LD50:</b>     | >2,000 mg/kg        |
| <b>ORAL LD50:</b>       | >5,000 mg/kg        |
| <b>INHALATION LC50:</b> | >5 mg/L (4 hours)   |
| <b>11.2. SYMPTOMS:</b>  |                     |
| <b>SKIN EFFECT:</b>     | Moderate irritation |
| <b>EYE EFFECT:</b>      | Moderate irritation |

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**SENSITIZATION:** Not a contact sensitizer

**PIPERONYL BUTOXIDE:  
CARCINOGENICITY/  
ONCOGENICITY:** Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

**11.3. CARCINOGENICITY:** This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

| CHEMICAL NAME                       | ACGIH | IARC    | NTP | OSHA |
|-------------------------------------|-------|---------|-----|------|
| Permethrin<br>52645-53-1            | -     | Group 3 | -   | -    |
| Piperonyl Butoxide (PBO)<br>51-03-6 | -     | Group 3 | -   | -    |

**IARC (International Agency for Research on Cancer):**

*Not classifiable as a human carcinogen.*

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## SECTION 12 – ECOLOGICAL INFORMATION

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**12.1. TOXICITY:** This product is toxic to aquatic organisms, including fish and aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow or to drift to blooming crops or weeds while bees are actively visiting the treatment area. Keep out of lakes, streams, or ponds.

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## SECTION 13 – DISPOSAL CONSIDERATION

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**13.1. DISPOSAL:** Do not contaminate water, food or feed by cleaning of container or disposal of wastes.

**13.2. PESTICIDE DISPOSAL:** Product that cannot be used according to the label instructions must be disposed of at or by an approved waste disposal facility. Never place any unused product down any indoor or outdoor drain.

**13.3. CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures as approved by state and local authorities.

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**SECTION 14 – TRANSPORTATION INFORMATION**


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**13.1. PROPER SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**13.2. HAZARD CLASS/DIVISION:**

**DOT:** Not regulated as dangerous goods.

**IATA:** Not regulated as dangerous goods.

**IMDG:** Not regulated as dangerous goods.

**13.3. SPECIAL PRECAUTIONS:** None identified

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**SECTION 15 – REGULATORY INFORMATION**


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**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):**

All components of this product are listed on the U.S. Toxic Substance Control Act Chemical Inventory or are exempt from listing because a Low Volume or Polymer Exemption has been granted.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**FIRE:** Yes

**PRESSURE GENERATING:** No

**REACTIVITY:** No

**ACUTE:** Yes

**313 REPORTABLE INGREDIENTS:**

| CHEMICAL NAME      | Wt. %  | CAS No.         |
|--------------------|--------|-----------------|
| Pyrethrins         | 0.30 % | CAS# 8003-34-7  |
| Piperonyl Butoxide | 3.00 % | CAS# 51-03-6    |
| Permethrin         | 0.60 % | CAS# 52645-53-1 |

**FIFRA (FEDERAL INSECTIDE, FUNGICIDE AND RODENTICIDE ACT):**

This product is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS). The following is the hazard information as required on the pesticide label:

**CAUTION:** Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing.

**15.2. US STATE REGULATIONS:**

**CALIFORNIA PROPOSITION 65:** This product does not contain any Proposition 65 chemicals

**U.S. EPA LABEL INFORMATION:** EPA Registration Number: 21165-30

**DIFFERENCE BETWEEN SDS AND EPA (FIFRA) PESTICIDE LABEL:**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes

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other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

SIGNAL WORD:

**CAUTION**

PRECAUTIONARY STATEMENTS:

Harmful if swallowed.  
Causes moderate eye irritation.  
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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## SECTION 16 – OTHER INFORMATION

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**16.1. REVISION SUMMARY:** This SDS replaces the 11/09/00 MSDS.  
Version #1, GHS – Classification.  
Revised: Sections 1-16

**16.2. COMMENTS:** This information is furnished without warranty, expressed or implied, except that it is accurate to the best of the knowledge of Pyranha, Inc. and is based on sound expert opinion. The data in this document relates only to the specific material designed herein and does not relate to use in combination with any other material or in any process. Pyranha, Inc. assumes no legal responsibility for use or reliance upon this data. This information herein is provided solely for your consideration, investigation and verification.

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