

# SAFETY DATA SHEET.



Issuing date 11-May-2015

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Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** TOTAL RELEASE TROPICAL MIST

### Recommended use of the chemical and restrictions on use

**Product code** HT 19090

**Product Type** Extremely flammable aerosol  
**Synonyms** None

### Supplier's details

**Recommended Use** Air freshener.  
**Uses advised against** No information available

**Manufactured For:**  
Hi-Tech Industries  
33106 W. 8 Mile  
Farmington, MI 48336  
Company Telephone: 248-358-2626

### Emergency telephone number

**Chemical Emergency Phone Number** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)


## 2. HAZARDS IDENTIFICATION

### Classification

|  |                |
|--|----------------|
| Skin corrosion/irritation                        | Category 2     |
| Serious eye damage/eye irritation                | Category 2A    |
| Specific target organ toxicity (single exposure) | Category 3     |
| Flammable aerosols                               | Category 1     |
| Gases under pressure                             | Compressed Gas |

### GHS Label elements, including precautionary statements

#### Emergency Overview

|  |                               |                       |
|--|-------------------------------|-----------------------|
| <b>DANGER</b>  |                               |                       |
| <b>Hazard Statements</b>   |                               |                       |
| Causes skin irritation   |                               |                       |
| Causes serious eye irritation  |                               |                       |
| May cause drowsiness or dizziness  |                               |                       |
| Extremely flammable aerosol  |                               |                       |
| Contains gas under pressure; may explode if heated                                 |                               |                       |
|  |                               |                       |
| <b>Appearance</b> Clear  | <b>Physical state</b> Aerosol | <b>Odor</b> Fragrance |

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Do not spray on an open flame or other ignition source  
 Pressurized container: Do not pierce or burn, even after use

#### **Precautionary Statements - Response**

Specific treatment (see first aid on this label)  
 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/attention  
 IF ON SKIN: Wash with plenty of soap and water.  
 Take off contaminated clothing and wash before reuse  
 If skin irritation occurs: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None

**Other information**

3.9E-06% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name              | CAS-No     | Weight %* |
|----------------------------|------------|-----------|
| ACETONE                    | 67-64-1    | 70-80     |
| PROPANE/ISOBUTANE/N-BUTANE | 68476-86-8 | 10-20     |
| PROPYLENE GLYCOL           | 57-55-6    | 1-10      |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures for different exposure routes**

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.                           |
| <b>Skin contact</b> | Wash skin with soap and water.  |
| <b>Inhalation</b>   | Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately. |
| <b>Ingestion</b>    | Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Call a physician or Poison Control Center immediately.                   |

**Most important symptoms/effects, acute and delayed**

|                      |   |
|----------------------|---|
| <b>Main Symptoms</b> | Causes skin irritation. Causes eye irritation. May cause respiratory irritation. May be harmful if swallowed. |
|----------------------|---|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Water fog. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Cool containers/tanks with water spray.

**Unsuitable Extinguishing Media** Keep away from heat and sources of ignition. Do not smoke. Cool containers / tanks with water spray.

**Specific hazards arising from the chemical**

Extremely flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**Protective Equipment and Precautions for Firefighters**

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

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mists. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling. Ensure adequate ventilation.

**Environmental precautions**

**Environmental precautions** Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

**Incompatible products** Strong acids, alkalis, or oxidizing agents.

**Aerosol Level** 3

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
|               |           |          |            |

|  |  |   |  |
|--|--|---|--|
| <p>ACETONE<br/>67-64-1</p>                       | <p>STEL: 750 ppm<br/>TWA: 500 ppm</p>  | <p>TWA: 1000 ppm<br/>TWA: 2400 mg/m<sup>3</sup><br/>(vacated) TWA: 750 ppm<br/>(vacated) TWA: 1800 mg/m<sup>3</sup><br/>(vacated) STEL: 2400 mg/m<sup>3</sup><br/>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors<br/>(vacated) STEL: 1000 ppm</p> | <p>IDLH: 2500 ppm<br/>TWA: 250 ppm<br/>TWA: 590 mg/m<sup>3</sup></p>   |
| <p>PROPANE/ISOBUTANE/N-BUTANE<br/>68476-86-8</p> | <p>74-98-6: TWA: 1000 ppm<br/>106-97-8: STEL: 1000 ppm<br/>75-28-5: STEL: 1000 ppm</p> | <p>74-98-6: TWA: 1000 ppm<br/>TWA: 1800 mg/m<sup>3</sup><br/>(vacated) TWA: 1000 ppm<br/>(vacated) TWA: 1800 mg/m<sup>3</sup><br/>106-97-8: (vacated) TWA: 800 ppm<br/>(vacated) TWA: 1900 mg/m<sup>3</sup></p>   | <p>74-98-6: IDLH: 2100 ppm<br/>TWA: 1000 ppm<br/>TWA: 1800 mg/m<sup>3</sup><br/>106-97-8: TWA: 800 ppm<br/>TWA: 1900 mg/m<sup>3</sup><br/>75-28-5: TWA: 800 ppm<br/>TWA: 1900 mg/m<sup>3</sup></p> |

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Safety glasses with side-shields.
- Skin and body protection** Chemical resistant apron. Protective gloves.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and chemical properties**

|                       |         |                       |                          |
|-----------------------|---------|-----------------------|--------------------------|
| <b>Physical state</b> | Aerosol | <b>Odor</b>           | Fragrance                |
| <b>Appearance</b>     | Clear   | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | clear   |                       |                          |

| Property                    | Values                   | Remarks • Methods   |
|-----------------------------|--------------------------|---------------------|
| pH                          | No information available |                     |
| Melting/freezing point      | No information available |                     |
| Boiling point/boiling range | No information available |                     |
| Flash Point                 | -97 °C / -142 °F         | Based on propellant |
| Evaporation rate            | No information available |                     |
| Flammability (solid, gas)   | No information available |                     |
| Flammability Limits in Air  |                          |                     |
| upper flammability limit    | No information available |                     |
| lower flammability limit    | No information available |                     |

|  |                          |                |
|--|--------------------------|----------------|
| Vapor pressure                         | No information available |                |
| Vapor density                          | No information available |                |
| Specific Gravity                       | 0.770                    |                |
| Water solubility                       | Practically insoluble    |                |
| Partition coefficient: n-octanol/water | No information available |                |
| Autoignition temperature               | No information available | Not applicable |
| Decomposition temperature              | No information available |                |
| Viscosity                              | No information available |                |
| Explosive properties                   | No information available |                |

**Other information**

VOC Content(%) 22.97

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Strong acids, alkalis, or oxidizing agents.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Vapors may irritate throat and respiratory system. May cause drowsiness and dizziness based on components. May cause irritation of respiratory tract. Avoid breathing vapors or mists. |
| <b>Eye contact</b>  | Irritating to eyes. Avoid contact with eyes.   |
| <b>Skin contact</b> | Irritating to skin. Repeated exposure may cause skin dryness or cracking. Prolonged skin contact may defat the skin and produce dermatitis. Avoid contact with skin.                   |
| <b>Ingestion</b>    | May be harmful if swallowed.   |

**Component Information**

| Chemical Name               | LD50 Oral             | LD50 Dermal              | LC50 Inhalation                       |
|-----------------------------|-----------------------|--------------------------|---------------------------------------|
| ACETONE<br>67-64-1          | = 5800 mg/kg          | 20,000 mg/kg (Rabbit)    | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| PROPYLENE GLYCOL<br>57-55-6 | = 20000 mg/kg ( Rat ) | = 20800 mg/kg ( Rabbit ) | -                                     |

**Information on toxicological effects**

**Symptoms** Inhalation may cause nose, throat, and respiratory tract irritation. Irritation to skin and eyes. May be harmful if swallowed.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Irritating to skin.  
**Eye damage/irritation** Irritating to eyes.  
**Irritation** Irritating to eyes, respiratory system and skin.  
**Sensitization** None known.  
**Germ Cell Mutagenicity** None known.  
**Carcinogenicity** There are no known carcinogenic chemicals in this product.  
**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.  
**Specific target organ systemic toxicity (single exposure)** May cause respiratory irritation. May cause drowsiness and dizziness.  
**Specific target organ systemic toxicity (repeated exposure)** None under normal use conditions.  
**Target Organ Effects** Central nervous system, Eyes, Respiratory system, Skin.  
**Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.  
**Aspiration hazard** Not applicable.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 3.9E-06% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document**  
**ATEmix (oral)** 61667 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

| Chemical Name                            | Toxicity to algae   | Toxicity to fish  | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates   |
|--|---|---|----------------------------|---|
| ACETONE<br>67-64-1                       | -   | 4.74 - 6.33 mL/L LC50<br>Oncorhynchus mykiss 96h<br>6210 - 8120 mg/L LC50<br>Pimephales promelas 96h<br>static 8300 mg/L LC50<br>Lepomis macrochirus 96h  | -                          | 10294 - 17704 mg/L EC50<br>Daphnia magna 48h Static<br>12600 - 12700 mg/L EC50<br>Daphnia magna 48h |
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | -   | -   | -                          | -   |
| PROPYLENE GLYCOL<br>57-55-6              | 19000 mg/L EC50<br>Pseudokirchneriella<br>subcapitata 96h | 41 - 47 mL/L LC50<br>Oncorhynchus mykiss 96h<br>static 51400 mg/L LC50<br>Pimephales promelas 96h<br>static 51600 mg/L LC50<br>Oncorhynchus mykiss 96h<br>static 710 mg/L LC50<br>Pimephales promelas 96h | -                          | 1000 mg/L EC50 Daphnia<br>magna 48h Static  |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

| Chemical Name                            | log Pow |
|--|---------|
| ACETONE<br>67-64-1                       | -0.24   |
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | 2.8     |

Other adverse effects No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

**Waste Disposal Methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

**DOT Ground** CONSUMER COMMODITY ORM-D  
or  
LIMITED QUANTITY

**IATA** UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

**IMDG** UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

### 15. REGULATORY INFORMATION

#### International Inventories

| Chemical Name                  | TSCA | DSL/NDL | EINECS/ELI<br>NCS | ENCS       | IECSC | KECL | PICCS | AICS |
|--------------------------------|------|---------|-------------------|------------|-------|------|-------|------|
| ACETONE                        | X    | X       | X                 | X          | X     | X    | X     | X    |
| PROPANE/ISOBUTAN<br>E/N-BUTANE | X    | X       | X                 | Not listed | X     | X    | X     | X    |
| PROPYLENE<br>GLYCOL            | X    | X       | X                 | X          | X     | X    | X     | X    |

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazard Categories



|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden Release of Pressure Hazard</b> | Yes |
| <b>Reactive Hazard</b>                   | no  |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name      | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ   |
|--------------------|--------------------------|------------------------------------|--|
| ACETONE<br>67-64-1 | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any known Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name               | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| ACETONE<br>67-64-1          | X          | X             | X            |
| PROPYLENE GLYCOL<br>57-55-6 | X          |               | X            |

**EPA Pesticide Registration Number** Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

|                    |                 |                |                   |                                 |
|--------------------|-----------------|----------------|-------------------|---------------------------------|
| <b><u>NFPA</u></b> | Health Hazard 2 | Flammability 4 | Instability 0     | Physical and chemical hazards - |
| <b><u>HMIS</u></b> | Health Hazard 2 | Flammability 4 | Physical Hazard 1 | Personal protection B           |

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 Revision Date 11-May-2015  
 Revision Note

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**