# *Material Safety Data Sheet*

Date of Preparation: 03/25/03 **GRIPPET** Revision: 01/10/14

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name: GRIPPET**
**Chemical Formula:**
**CAS Number:**
**Other Designations:**
**General Use: AEROSOL**
**Manufacturer: MIRANDY PRODUCTS, LLC., 1078 GRAND AVENUE, S. HEMPSTEAD, NY 11550**
**(516) 489-6800**

| HMIS | |
|---|---|
| **H** | # |
| **F** | # |
| **R** | # |
| **PPE†** | |

†Sec. 8

**☆☆☆☆☆ Emergency Overview ☆☆☆☆☆**

## Section 2 - Composition / Information on Ingredients

| Ingredient Name | CAS Number | % wt *or* % vol |
|---|---|---|
| Trichloroethylene | 79-01-6 | 30-50 |
| Polybutene | 9003-29-6 | 20-40 |
| Isoparaffinic Hydrocarbon | 64741-66-8 | 10-20 |
| Liquified Petroluem Gas | 68476-85-7 | 40-60 |

**Trace Impurities:**

| | OSHA PEL | | ACGIH TLV | | NIOSH REL | | NIOSH |
|---|---|---|---|---|---|---|---|
| **Ingredient** | **TWA** | **STEL** | **TWA** | **STEL** | **TWA** | **STEL** | **IDLH** |
| Trichloroethylene | 50 ppm | 50 ppm | 50 ppm | 50 ppm | N/E | N/E | N/E |
| Polybutene | N/E | N/E | N/E | N/E | N/E | N/E | N/E |
| Isoparaffinic Hydrocarbon | 400 ppm | 400 ppm | 400 ppm | 400 ppm | N/E | N/E | N/E |
| Liquified Petroluem Gas | 1000 ppm | 100 ppm | 1000 ppm | 1000 ppm | N/E | N/E | N/E |

**Toxicity Data:**

## Section 3 - Physical and Chemical Properties

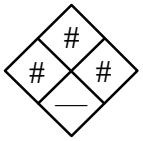
**Physical State:**
**Appearance and Odor:** Transparent Liquid, Solvent Odor
**Odor Threshold:**
**Vapor Pressure of can (psig @ 70 F):** 50
**Vapor Density (Air=1):** >1
**Formula Weight:**
**Density:**
**Specific Gravity ($H_2O$=1, at 4 °C):**
**pH:** N/A

**Water Solubility:** Slight
**Other Solubilities:**
**Boiling Point:** -88 F
**Freezing/Melting Point:**
**Viscosity:**
**Refractive Index:**
**Surface Tension:**
**% Volatile:**
**Evaporation Rate:**
**Total VOC %:** - 80%

## Section 4 - Fire-Fighting Measures

**Flash Point (of concentrate only):** 120 F **(T.O.C.)**
**Flash Point Method:**
**Burning Rate:**
**Autoignition Temperature:**
**LEL:**
**UEL:**

NFPA



**Flammability Classification:** Extremely Flammable spray
**Extinguishing Media:** Foam, CO2, Dry Media
**Unusual Fire or Explosion Hazards:**
**Hazardous Combustion Products:**
**Fire-Fighting Instructions:** Wear self-contained breathing apparatus and protective clothing. Col fire exposed containers to prevent rupturing.
**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

## Section 5 - Stability and Reactivity

**Stability:** Material stable.
**Polymerization:** Hazardous polymerization cannot occur.
**Chemical Incompatibilities:** Avoid contact with strong oxidizing agents.
**Conditions to Avoid:**
**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride and possible trace amounts of Phosgene.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:**
**Target Organs:**
**Acute Effects**
**Inhalation:**
**Eye:** Causes pain, redness and irritation.
**Skin:** Frequent or prolonged contact may cause irritation.
**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.
**Carcinogenicity:** Not listed
**Medical Conditions Aggravated by Long-Term Exposure:**
**Chronic Effects:**

### Emergency and First Aid Procedures

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.
**Eye Contact:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.
**Skin Contact:** Wash with soap and water. If irritation persists seek medical attention.
**Ingestion:** Do not induce vomiting. Seek medical attention immediately.
***After first aid, get appropriate in-plant, paramedic, or community medical support.***
**Note to Physicians:**
**Special Precautions/Procedures:**

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent
**Small Spills:**
**Large Spills**
**Containment:**
**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).
**Disposal:** Follow applicable Federal, state, and local regulations.
**Disposal Regulatory Requirements:**
**Container Cleaning and Disposal:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult federal, state and local regulations.
**Ecological Information:**

**State Regulations:**

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** None needed for proper use in accordance with label directions.

**Protective Clothing/Equipment:** Wear chemically protective gloves if repeated skin contact. Wear protective eyeglasses or chemical safety goggles if a splash or spray back may occur.

**Safety Stations:**

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Special Precautions and Comments

**Handling Precautions:**

**Storage Requirements:** KEEP OUT OF REACH OF CHILDREN. For industrial and institutional use only. Store in a cool, dry area, away from heat an open flame. Do not store at temperatures above 120 F.