



## MATERIAL SAFETY DATA SHEET

Product: MINERAL SPIRITS 145  
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Revised: 08/07/97  
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Company:**

HVC, Inc.  
4600 Dues Drive  
Cincinnati, OH 45246  
(513) 874-9261

**Emergency Telephone Numbers:**

\*Transportation:  
\*\* Chemtrec: (800) 424-9300  
\*Emergency Health & Safety Information:  
\*\* HVC, Inc: (513) 874-9261

**Product Name:** Mineral Spirits 145  
**Synonyms:** None

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name (s)	CAS Registry No.	% WT	TWA (ppm)	STEL (ppm)	SOURCE	CARCIN OGEN?
Stoddard Solvent	8052-41-3	100	100	None	OSHA	No

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### 3. HAZARDS IDENTIFICATION

**Primary Routes of Entry:** Skin contact, eye contact, inhalation, ingestion

**Skin Contact:** Liquid is irritating to the skin. Prolonged contact can result in defatting and drying of the skin which may result in irritation and dermatitis.

**Eye Contact:** May cause mild irritation including stinging, watering, and redness.

**Inhalation:** Can result in irritation to respiratory tract, dizziness, nausea, lightheadedness, headache, loss of coordination, and in extreme causes, unconsciousness and death. Exposure may result in CNS depression.

**Ingestion:** May result in irritation to mouth, throat and gastrointestinal tract. Effects noted for inhalation may also result from ingestion. Aspiration hazard if swallowed.

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## 3. HAZARDS IDENTIFICATION (cont'd)

**Acute Effects of Overexposure:** Irritation, central nervous system depression, unconsciousness, and death.

**Chronic Effects of Overexposure:** None known.

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## 4. FIRST AID MEASURES

**Skin:** Promptly wash with plenty of soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes while holding eyelids apart. Get medical attention.

**Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get medical attention if any symptoms persist.

**Ingestion:** DO NOT INDUCE VOMITING; this product is an aspiration hazard. Do not give liquids. Get medical attention at once.

**Special Notes:** None.

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## 5. FIRE FIGHTING MEASURES

**Flash Point (degrees F) and Test Method:** 107 (TCC)

**Autoignition Temperature:** 540 degrees F

**Flammability Limits in air (% V):** LEL 0.7; UEL 6.0

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## 5. FIRE FIGHTING MEASURES (cont'd)

**Extinguishing Media:** Dry chemical, carbon dioxide, halon, foam, or water spray is recommended. Water or foam may cause frothing. Halon may decompose into toxic products. Carbon dioxide may displace oxygen.

**Special Fire Fighting Procedures:** Full protective clothing and self-contained breathing apparatus should be worn by all fire personnel. Cool fire exposed containers with water.

**Unusual Fire & Explosion Hazards:** Decomposition or burning of product can produce hazardous gases or vapors. Containers exposed to heat may build sufficient pressure that can cause container rupture.

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## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Soak up with absorbent and place collected material in a closed container for disposal. Use caution as product is flammable and vapors may travel.

**Large Spills:** Immediately evacuate the area. Eliminate all ignition sources. All equipment used in clean-up must be non sparking or grounded. Stop source of leak if possible. Dike and contain. Soak up with an absorbent and place in closed containers for disposal. If vapor cloud forms, water fog may be used to suppress. Do not flush material to sewers. Ventilate area thoroughly while and after clean-up.

**Neutralizing Materials:** Absorbents - clay, sand or commercial absorbents such as Hazorb.

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## 7. HANDLING AND STORAGE

### **Handling and Storage Precautions:**

Keep liquid and vapors away from heat, sparks and flames.

Use only with adequate ventilation.

Keep containers closed when not in use.

Store in a cool area.

Do not cut, drill, grind, or weld on full or empty containers.

Do not reuse empty containers until commercially cleaned of all residues.

Do not store in contact with aluminum.

Wash thoroughly after handling.

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## 7. HANDLING AND STORAGE (cont'd)

### **Other precautions:**

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Vapors may accumulate and travel to ignition sources distant from the handling site; flash fire can result.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation:** Use sufficient local ventilation to maintain exposure below the TLV's listed in Section 2.

**Respiratory Protection:** Use a NIOSH approved respirator for organic vapors if needed. If respirators are used, observe requirements of 29 CFR 1910.134.

**Eye Protection:** Chemical splash goggles.

**Other Protective Equipment:** Rubber gloves and apron. Other protection may be necessary depending on the method of handling. Minimize contact with skin.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point @ 760 mm Hg (degrees F):** 318 to 383

**Freezing Point (degrees F):** N.A.

**pH:** N.A.

**Percent volatile by weight (%):** 100

**Specific Gravity or bulk density:** 0.77

**Solubility in Water:** Negligible

**Appearance and odor:** Clear, water white liquid

**Vapor Pressure mm Hg @ 20 degrees C:** 2

**Vapor Density (Air = 1):** 4.8

**Evaporation Rate (BuAc = 1):** 0.13

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## 10. STABILITY AND REACTIVITY

**Product Stability:** Product is stable under normal usage.

**Conditions to avoid:** Avoid heat, sparks, flames and electrical arcs.

**Chemical Incompatibility:** Strong oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide and other hazardous vapor.

**Hazardous Polymerization:** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

LC<sub>50</sub> in rats is: >5500 mg/m<sup>3</sup>, time 4 hrs. Draize skin irritation score is: 4.5 out of 8.0.  
Dermal LD<sub>50</sub> in rabbits is: >3000 mg/kg. Draize eye irritation scores are: 1.0 0.0 0.0 0.0  
out of 110.0 at 24 48 72 168 hours. Oral LD<sub>50</sub> in rats is: >5 g/kg.

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## 12. ECOLOGICAL INFORMATION

No data available

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## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Follow all local, state and federal regulations. Recommend all material be incinerated at an approved facility.

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## 14. TRANSPORT INFORMATION

**D.O.T. Proper Shipping Name:** Petroleum distillates, n.o.s.

**D.O.T. Hazard Class:** Combustible liquid

**D.O.T. Labels Required:** N.A.

**UN/NA Code:** UN 1268

**Packaging Group:** III

**Reportable Quantity Amount:** N.A.

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## 15. REGULATORY INFORMATION

### Section 313 Supplier Notification:

<u>CAS Registry No.</u>	<u>Chemical Ingredient(s)</u>	<u>Percent Wt.</u>
	None	

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## 16. OTHER INFORMATION

### Hazardous Material Identification System Rating (HMIS):

Health: 1  
Flammability: 2  
Reactivity: 0  
Personal Protection: D

**Reason for Issue:** New format; Sections 3, 9 & 14 amended.  
**Prepared by:** Allan T. Cowie  
**Title:** Technical Director  
**Approval Date:** 08/07/97  
**Product Code(s):**

### Disclaimer:

The information contained herein is based on data available to use and is believed to be correct. However, HVC makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. HVC assumes no responsibility for injury from the use of the product described herein.

N.A. = Not Applicable  
N.D. = Not Determined  
N.E. = Not Established

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ms145.doc