

# MATERIAL SAFETY DATA SHEET

Trade Name: Heartland Throttle Body Spray  
MSDS NO. 61008  
Revision Date: 07/07/2006  
Date Printed 07/07/2006

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Heartland Throttle Body Spray  
Chemical Family: Non-Chlorinated Hydrocarbon  
Synonyms: None  
Emergency Telephone (24 hr.): 24-Hour Emergency Information: CHEMTREC (800) 424-9300

Supplier: Heartland MFG. Co., PO Box 1520, Wheaton, IL 60189

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
Hexane 110-54-3	35-40	500 ppm	Not Known	50 ppm	Not Known
Carbon Dioxide 124-38-9	5-15	5000 ppm (exposures <10,000 ppm to be cited de minimus)	Not Known	5000 ppm	30,000 ppm
Isopropyl Alcohol 67-63-0	3-5				
Acetone 67-64-1	45-55	1000 ppm	750 ppm	500 ppm	750 ppm

This product does not contain Normal Hexane (N-Hexane).

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Keep away from heat, sparks and flame. This material is an eye and skin irritant. Content under pressure. Gross inhalation overexposure may cause: respiratory track irritation, kidney damage, blood, liver damage, lung damage and central nervous system depression. Extremely Flammable. Ingestion of even small amounts of methanol can cause blindness and death. Danger: Poison. Harmful if absorbed through the skin.

**HMIS Classification:** Health: \*2 Flammability: 3 Physical Hazard: 2  
**NFPA Rating:** Health: 2 Flammability: 3 Reactivity: 0

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.  
**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.  
**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and shoes, and launder before reuse.

## 5. FIRE FIGHTING MEASURES

**Flammable Properties**  
**Flash Point °F(°C):** -20 F (Lowest Component)  
**Flash Point Method:** TAG Closed Cup  
**Flammable Limits in Air - Lower (%):** 2.5% (Lowest Component)  
**Flammable Limits in Air - Upper (%):** 12.8% (Lowest Component)  
**Autoignition Temperature °F(°C):** 725 F (Lowest Component)  
**Extinguishing Media:** Alcohol foam. Carbon dioxide. Dry chemical. Use water spray to keep containers cool that are exposed to heat or flames.

**Protection Of Fire-Fighters:**  
**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

**Hazardous Combustion Products:** Carbon Dioxide. Carbon Monoxide. Formaldehyde.  
**Aerosol Comments:** NFPA Level 3 Aerosol

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill Procedures:** Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames.

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Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. Persons not trained should evacuate area. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Do not puncture or incinerate container. Contents under pressure. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

## 7. HANDLING AND STORAGE

**Handling and Storage:** Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Caution: Contents under pressure. Keep away from heat and open flame. Do not puncture, incinerate or store above 120 F. Exposure to high temperatures may cause bursting. DO NOT store in the passenger compartment of an automobile.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Showers. Eyewash stations. Use in a well ventilated area.  
**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.  
**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves.  
**Respiratory Protection:** Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Do not breath mist or vapor.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colorless to pale yellow liquid  
**Odor:** MILD  
**pH Value:** Not Determined  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Approximately 2.0  
**Boiling Point (°F):** 133 F (Lowest Component)  
**Melting/Freezing Point:** < -110 F.  
**Solubility in Water:** 64 %  
**Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Mixture  
**Specific Gravity (H2O=1):** .82 @ 68 F.  
**Viscosity:** Not Determined.  
**Evaporation Rate:** Not Determined  
**VOC Content(%):** 70.1 %  
**Decomposition Temperature:** Not Determined

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of handling, use and transportation.  
**Conditions to Avoid:** Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120 F.  
**Materials to Avoid:** Contact with oxidizing agents. Sulfuric Acid. Nitric acid. Chlorine compounds. Strong acids. Alkalis. Potassium t-butoxide. Nitrogen Tetraoxide. Methanol has an explosive reaction with chloroform + sodium methoxide and diethyl zinc. Methanol has a violent reaction with alkyl aluminum salts, acetyl bromide, chloroform + sodium hydroxide, cyanuric chloride, nitric acid, etc. Beryllium Dihydride. Magnesium. Strong bases.  
**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Formaldehyde.  
**Hazardous Polymerization:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
Hexane 110-54-3	35-40	Inhalation	Rats	LC50 48,000 ppm
Carbon Dioxide 124-38-9	5-15	NA	NA	Not known.
Isopropyl Alcohol 67-63-0	3-5	Inhalation	Rats	Not known.
Acetone 67-64-1	45-55	Inhalation	Rats	LC50 50100 mg/m3/8H

### Carcinogenicity:

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Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Hexane 110-54-3	35-40	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	5-15	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	3-5	Not Listed	Not Listed	Not Listed
Acetone 67-64-1	45-55	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

## 13. DISPOSAL CONSIDERATION

**Waste Classification:** Residues and spilled material are hazardous waste due to ignitability.  
**Waste Management:** Not determined.  
 Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

**U.S. DOT:**  
**Proper Shipping Name:** ORM-D CONSUMER COMMODITY  
**Hazard Class:** ORM-D  
**UN/NA Number:** Not Applicable  
**DOT Packing Group:** Not Applicable  
**IMDG:**  
**Proper Shipping Name:** Aerosols (Limited Quantity)  
**Hazard Class:** 2.1  
**Hazard Subclass:** Not determined.  
**UN No.:** UN1950  
**Packing Group:** Not Applicable.  
**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Hexane 110-54-3	35-40	Listed	Not Listed	NA	NA
Carbon Dioxide 124-38-9	5-15	Not Listed	Not Listed	NA	NA
Isopropyl Alcohol 67-63-0	3-5				
Acetone 67-64-1	45-55	Not Listed	Not Listed	NA	NA

Hazardous per OSHA 29 CFR 1910.1200

**SARA 311/312 Hazard Categories:** Not Determined.

**State Regulations:**

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Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Hexane 110-54-3	35-40	Not Listed	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	5-15	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	3-5	Not Listed	Not Listed	Not Listed	Not Listed
Acetone 67-64-1	45-55	Not Listed	Not Listed	Not Listed	Not Listed

**U.S. TSCA:** The components of this product are listed on the TSCA Inventory.

## 16. OTHER INFORMATION

**General Notes:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

**Disclaimer:**

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