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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** FORCE 109 5-WAY SPRAY 9OZ AE  
**Item No:** 80068  
**Product Type:** Aerosol lubricant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	45-55	5 mg/m3 mist	5 mg/m3 mist
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. 64742-88-7	15-25		400 ppm TWA; 1600 mg/m3 dust
BUTANE [1], ISOBUTANE [2] 106-97-8	5-15	800 ppm TWA; 1900 mg/m3 TWA	800 ppm TWA; 1900 mg/m3 TWA
PROPANE 74-98-6	5-15	simple asphyxiant; 2500 ppm TWA	1000 ppm TWA; 1800 mg/m3 TWA
KEROSINE (PETROLEUM) 8008-20-6	5-15		

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. Aspiration hazard if swallowed. Excessive inhalation causes headache, dizziness, nausea, and incoordination. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. Intentional misuse by concentrating and inhaling the vapor may be harmful or fatal.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.

**Signs and Symptoms of Exposure:** Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Overexposure may cause eye and skin redness.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
KEROSINE (PETROLEUM) 8008-20-6	5-15	male mice-no evidence; female mice-no evidence		Group 3 Vol 45, pg 203; 1989

**Medical Conditions Recognized as Being Aggravated by Exposure:** Heart disease, respiratory disorders, liver and kidney diseases, amenia, rhythm disorders of the heart.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.

**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:** Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

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attention if irritation persists.

## **5. FIRE FIGHTING MEASURES**

**Flash Point (°F/C):** <0 degrees F. Based on propellant  
**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.  
**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Irritating vapors. Carbon Monoxide and Carbon Dioxide.  
**Unusual Fire/Explosion Hazards:** Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Use equipment or shielding to protect personnel from bursting containers.  
**Lower Explosive Limit:** 0.7  
**Upper Explosive Limit:** 9.5

## **6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

## **7. HANDLING AND STORAGE**

**Storage:** Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F. Exposure to high temperatures may cause container to burst.  
**Handling:** Avoid contact with skin and eyes. Use in a well ventilated area to prevent irritation by vapors. Extinguish all flames, pilot lights and heaters. Turn off stoves, electric tools and appliances, and other sources of ignition. Do not puncture or incinerate container. Intentionally concentrating and inhaling the vapor may be harmful or fatal.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses with side shields.  
**Skin:** Not normally required when using an aerosol. Wear chemical resistant gloves if repeated skin contact occurs or causes irritation.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.  
**Respiratory Protection:** Use approved NIOSH respiratory protection if TLV exceeded., or over-exposure is likely.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Amber liquid  
**Odor:** SOLVENT ODOR  
**Boiling Point (°F):** <0 degrees F. to 572 degrees F.  
**pH:** Does not apply  
**Solubility in Water:** Nil  
**Specific Gravity:** 0.76  
**VOC Content(Wt.%):** 50% by weight  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** Faster than ether

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** WILL NOT OCCUR  
**Incompatibilities:** Strong oxidizers.  
**Conditions to Avoid:** Do not expose to heat or store at temperatures above 120 F.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Irritating vapors. Carbon Monoxide and Carbon Dioxide.

## **11. TOXICOLOGICAL INFORMATION**

See Section 3

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## **12. ECOLOGICAL INFORMATION**

No data available

## **13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.

**US EPA Waste Number:** D001 as per 40CFR 261.21

## **14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**

### **Domestic Ground Transport**

**DOT Shipping Name:** CONSUMER COMMODITY  
**Hazard Class:** ORM-D  
**UN/ID Number:** None  
**Marine Pollutant:** None

### **IATA**

**Proper Shipping Name:** Consumer Commodity  
**Class or Division:** Class 9  
**UN/NA Number:** ID 8000

### **IMDG**

**Proper Shipping:** Aerosols, Limited Quantity  
**Hazard Class:** Class 2.1  
**UN Number:** UN 1950

## **15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.  
NONE

### **CALIFORNIA PROP 65:**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### **TSCA Inventory Status:**

All components of this product are listed (or exempt) on the EPA TSCA inventory.

## **16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 4, REACTIVITY 0  
**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

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