



# Inland FF-45

## Material Safety Data Sheet

Revision Date January 2004

For Chemical Emergency Call Chemtrec 800-424-9300

### 1. Substance/Company Identification

PRODUCT NAME: **Inland FF-45**  
CAS NUMBER: 68037-01-4  
MANUFACTURER: Inland Vacuum Industries  
Churchville NY 14428  
(585) 293-3330

### 2. Composition/ Ingredients

GENERIC NAME: 100% Synthetic Aliphatic Hydrocarbon  
CHEMICAL FORMULA:  $(CH_2)_n$   $20 \leq n \leq 40$   
HAZARDOUS INGREDIENTS: None

### 3. Hazards Identification

POSSIBLE ENTRY ROUTES: Ingestion, inhalation of oil mists  
This product is not classified as hazardous.  
ACUTE EFFECTS: Ingestion: non-toxic, Eyes: not an irritant, Skin: Not a primary irritant or corrosive, Inhalation: Non-hazardous in normal use  
CHRONIC EFFECTS: Unknown.

### 4. First Aid Measures

SKIN: Wash with soap and water.  
EYES: Flush with water. Contact a physician!  
INGESTION: Give liquids(except fruit juice) if victim is conscious, do not ingest sodium bicarbonate, or vinegar . Do not induce vomiting.  
Contact a physician! Small amounts in mouth may be washed out.

### 5. Fire Fighting Measures

FLASH POINT:  $>240$  C  
METHOD USED: Cleveland Open Cup  
EXPLOSIVE LIMITS LOWER: Unknown UPPER: Unknown  
EXTINGUISHING MEDIA: Water fog, chemical foam or carbon dioxide. NFPA Class III B Material.  
SPECIAL FIREFIGHTING PROCEDURES: Wear breathing gear when fighting fires in enclosed spaces; incomplete combustion of this material produces carbon monoxide!  
UNUSUAL FIRE AND/OR EXPLOSION HAZARDS: Firefighters should wear self-contained breathing apparatus in the positive-pressure mode with a full face piece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

### 6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Small spills may be wiped up with a rag. Large spills should be picked up immediately with an absorbent.

### 7. Handling and Storage

HANDLING: None known  
STORAGE: None known

### 8. Exposure Controls/Personal Protection

ENGINEERING CONTROL MEASURES: None required  
RESPIRATORY PROTECTION: See notes on ventilation below.  
PROTECTIVE GLOVES: Yes - made of oil-impermeable rubber  
SAFETY GLASSES/GOGGLES: Yes - glasses should have side shields  
OTHER PROTECTIVE EQUIPMENT: None should be required under normal use.

**9. Physical & Chemical Properties**

PHYSICAL STATE: Liquid  
 VAPOR PRESSURE: < .0001 Torr @ 25C  
 BOILING POINT: >200 C  
 EVAPORATION RATE (ether = 1): Nil  
 VAPOR DENSITY: approximately 14  
 WT % VOLATILES: Nil  
 SPECIFIC GRAVITY: 0.83  
 VISCOSITY: 26 cst @ 40 C  
 SOLUBILITY IN WATER: Nil  
 APPEARANCE: Colorless liquid with no odor

**10. Stability & Reactivity**

STABILITY: Material is stable  
 CONDITIONS TO AVOID: Continuous exposure to temperatures > 200 C  
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers  
 HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide.  
 HAZARDOUS POLYMERIZATION: None likely

**11. Toxicological Information**

ACUTE ORAL LD50(mg/kg): greater than 5.0g/kg(rats) The material is not classified as toxic by oral administration as defined in 16 CFR 1500.  
 ACUTE DERMAL: The primary irritation index was found to be 0.5(scale0-8) based on erythema and edema.No evidence of tissue damage was found. The material is not classified as a primary irritant or as a corrosive by dermal application as defined by 16 CFR 1500.  
 ACUTE INHALATION LD50(mg/l: 4.68(rats) for 1 hour. Would be difficult to work in this heavy mist. May be considered non-hazarsous, by inhalation, for all practical purposes.

**12. Ecological Information**

ENVIRONMENTAL: When used and/or disposed of as indicated, no adverse environmental effects are foreseen.  
 MOBILITY: Non-volatile and insoluble in water.  
 DEGRADABILITY: Slowly biodegradable in aerobic conditions.

**13. Disposal Considerations**

Product and packaging must be disposed of in accordance with Federal, State and local regulations.

**14. Transport Classification**

Not classified as hazardous for transport by air, sea or road.

**15. Regulatory Information**

None

**16. Other Information**

**NFPA RATING**

FLAMMABILITY	1
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE