



Inland 45

Material Safety Data Sheet

Revision Date January 2007

For Chemical Emergency Call Chemtrex 800-424-9300

1. Substance/Company Identification

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

2. Composition/ Ingredients

GENERIC NAME: Synthetic Aliphatic Hydrocarbon
CHEMICAL NAME: polyalphaolefins
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-hazarsous in normal use
CHRONIC EFFECTS: Unknown.

4. First Aid Measures

SKIN: Wash with soap and water.
EYES: Flush with water. Contact a physician.
INGESTION: Do not induce vomiting. Not expected to be a problem when ingested. Contact a physician. Small amounts in mouth may be washed out.

5. Fire Fighting Measures

FLASH POINT: >264C
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: 133 C
 EVAPORATION RATE (ether = 1): Nil
 VAPOR DENSITY: approximately 14
 WT % VOLATILES: Nil
 SPECIFIC GRAVITY: 0.83
 VISCOSITY: 53 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

USA DOT: not regulated by USA DOT.
 RID/ADR : not regulated by RID/ADR
 IMO: not regulated by IMO
 IATA: not regulated by IATA

15. Regulatory Information

US OSHA Hazard Communication Standard: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.
 EU Labeling: not required
 Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, METI, and DSL.
 U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no “ Extremely Hazardous Substances”.
 SARA (311/312) Reportable Hazard Categories: None
 This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

16. Other Information

NFPA RATING

FLAMMABILITY	1
HEALTH HAZARD	0
REACTIVITY	0
SPECIAL HAZARD	NONE