



ULVAC R-2

Material Safety Data Sheet

Revision Date January 2013

- 1. Substance/Company Identification** PRODUCT NAME: **ULVAC R-2**
CAS NUMBER: 68037-01-4
COMPANY: Inland Vacuum Industries
35 Howard Ave
Churchville NY 14428
(585) 293-3330
- 2. Composition/ Ingredients** GENERIC NAME: Synthetic Aliphatic Hydrocarbon
CHEMICAL NAME: polyalphaolefins
HAZARDOUS INGREDIENTS: No reportable hazardous substances or complex substances.
- 3. Hazards Identification** This material is not considered to be a hazardous according to regulatory guidelines (see Section 15)

NFPA Hazard ID: Health: 0 Flammability:1 Reactivity:0
HMIS Hazard ID: Health: 0 Flammability:1 Reactivity: 0
- 4. First Aid Measures** INHALATION: At ambient handling temperatures, minimal or no irritation due to inhalation of vapor/mist is expected.
SKIN: Wash contact areas with soap and water.
EYES: Flush with water. If irritation occurs, contact a physician.
INGESTION: First aid is normally not required. Seek medical attention if discomfort occurs.
- 5. Fire Fighting Measures** FLASH POINT: >230C
METHOD USED: ASTM D93
EXPLOSIVE LIMITS LOWER: not determined UPPER: not determined
EXTINGUISHING MEDIA: Water fog, chemical foam or carbon dioxide.
FIREFIGHTING PROCEDURES: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).
Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, oxides of carbon.
- 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: Prevent small spills and leakage to avoid slip hazard.
Static Accumulator: This material is a static accumulator.
STORAGE: Do not store in open or unlabelled containers.
- 8. Exposure Controls/Personal Protection** The level of protection and types of controls necessary will vary depending upon potential exposure conditions.
Control measures to consider: No special requirements under ordinary conditions of use and with adequate ventilation.
RESPIRATORY PROTECTION: No protection is ordinarily required under normal conditions of use and with adequate ventilation.
PROTECTIVE GLOVES: No protection is ordinarily required under normal conditions of use.

SAFETY GLASSES/GOGGLES: safety glasses with side shields are recommended.

Skin and Body Protection: No skin protection is ordinarily required under normal conditions of use in accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Practice good housekeeping.

9. Physical & Chemical Properties

PHYSICAL STATE: Liquid

VAPOR PRESSURE: < .0001 Torr @ 25C

BOILING POINT @ .01 torr: 133 C

EVAPORATION RATE (n-butyl acetate = 1): not determined

WT % VOLATILES: Nil

SPECIFIC GRAVITY: 0.83

VISCOSITY: 26 cst @ 40 C

SOLUBILITY IN WATER: Negligible

APPEARANCE: Colorless liquid with mild odor

10. Stability & Reactivity

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

ACUTE ORAL Toxicity (Rat): LD50>2000 mg/kg Minimally Toxic: based on test data for structurally similar materials.

ACUTE DERMAL: Toxicity (Rabbit): LD50>2000 mg /kg Minimally Toxic.

Based on test data for structurally similar materials. Irritation (Rabbit):

Negligible irritation to skin at ambient temperatures. Based on test data for structurally similar materials.

ACUTE INHALATION: Toxicity (RAT): LC50>50>5000 mg/m3 Minimally Toxic. Based on test data for structurally similar materials.

ACUTE EYE: Irritation (Rabbit): May cause mild, short lasting discomfort to eyes. Based on test data for structurally similar materials.

CHRONIC/OTHER EFFECTS: For the product itself: Synthetic base oils: Not expected to cause a significant health effects under conditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic. Not sensitizing in test animals and humans.

The following ingredients are cited on the lists below: NONE

-REGULATORY LISTS SEARCHED-

1=NTP CARC 3=IARC 1 5=IARC 2B

2=NTP SUS 4=IARC 2A 6=OSHA CARC

12. Ecological Information

ENVIRONMENTAL: When used and/or disposed of as indicated, no adverse environmental effects are foreseen.

ECOTOXICITY: Material- Not expected to be harmful to aquatic organisms.

BIODEGRADABILITY: Material- Expected to be inherently biodegradable.

13. Disposal Considerations

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS: Product is suitable for burning in an enclosed controlled burner for fuel value or disposed by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION: RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated

with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated. Empty Container Warning Applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill/clean containers. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

14. Transport Classification

LAND DOT: not regulated for Land Transport
 LAND (TDG) : not regulated for Land Transport
 SEA (IMDG): not regulated for Sea Transport according to IMDG-Code
 AIR (IATA): not regulated for Air Transport

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.

The following ingredients are cited on the lists below: None

-REGULATORY LISTS SEARCHED-

1=ACGIH ALL	6=TSCA 5a2	11=CA P65 REPRO	16=MN RTK
2=ACGIH A1	7=TSCA 5e	12=CA RTK	17=NJ RTK
3=ACGIH A2	8=TSCA 6	13=IL RTK	18=PA RTK
4=OSHA Z	9=TSCA 12b	14=LA RTK	19=RI RTK
5=TSCA 4	10=CA P65 CARC	15=MI 293	

Code Key: CARC=Carcinogen; REPRO=Reproductive

16. Other Information

The information on this form is furnished solely for the purpose of compliance with the OSHA Act, and shall not be used for any other purpose. The information herein is given in good faith and is based on data considered accurate. However, no warranty, expressed or implied, is made regarding the accuracy of these data or the results to be obtained from the use thereof.