

MATERIAL SAFETY DATA SHEET

Printing date: 03/17/2014

Version: 6US

Revision: 02/26/2014

1. PRODUCT: SOME SUBSTANCE OR PREPARATION OF THE SOCIETY:

- . Product name: A121
- . Use of the Substance/Mixture: vacuum pump lubricant
- . The supplier:
adixen Vacuum Products
98 avenue de Brogny
BP 2069
74009 Annecy cedex
France
Phone: +(33) 04 50 65 77 77
Fax: +(33) 04 50 65 77 89
Email: support-service@adixen.fr
- . Emergency phone Nr: Ph. ORFILA (INRS): + 33 (0)1 45.42.59.5

2. INFORMATION ON INGREDIENTS:

- . Generic Name: 100 % synthetic hydrocarbon oil.
- . Hazardous Ingredients: none.
- . CAS number: 68037-01-4

3. HAZARDS IDENTIFICATION:

- . Possible entry routes: Ingestion, inhalation of oil mists.
This product is not classified as hazardous.
- . Acute effects: Exposure to oil mists may cause nausea and eye irritation. Detailed studies have not been made, but material is not expected to be dermatitis or a sensitizer.
- . Chronic effects: Unknown.

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4. FIRST AID MEASURES:

- . In the event of severe disorders, call a doctor or request immediate medical attention.
- . Information in the event of:
 - Contact with eyes:
immediately flush eyes with plenty of cool water for at least 15 minutes. do not let victim rub eyes.
 - Skin:
wash contaminated areas with soap and water.
 - Ingestion:
do not induce vomiting.
Small amounts in mouth may be washed out. Contact a physician.

5. FIRE FIGHTING MEASURES:

- . Flash point: 268 degrees c.
- . Method used: cleveland open cup.
- . Exposure 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: none.

6. ACCIDENTAL RELEASE MEASURES:

- . Procedure to be followed in the event of release:
Small spills may be wiped up with a rag. Large spills should be picked up immediately with and absorbent.

7. STORAGE AND HANDLING:

- . Handling: none known
- . Storage: product should be stored in a dry area and periods of exposure to high temperature should be minimized. Water contamination should be avoided

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

- . Engineering control measures: none required.
- . Respiratory protection: good general ventilation at source of vapor. no special respiratory protection is required if exposures are within permissible concentrations of 5.0 mg/m³ of air for oil mist averaged over and eight-hour daily exposure (acgih 1984-85).
- . Ventilation: good general ventilation at source of vapor.
- . 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 AND CHEMICAL PROPERTIES:

- . Physical state: Liquid.
- . Vapor pressure: 1 X 10⁻⁷ TORR AT 25 DEGREES C.
- . Boiling point: 133 DEGREES C @ .01 TORR
- . Evaporation rate (ether = 1): Nil
- . WT% volatiles: Nil
- . Specific gravity: 0.84
- . Viscosity: 55 cst. At 40 DEGREES C.
- . Solubility in water: Nil
- . Appearance: Colorless to light straw

10. STABILITY AND REACTIVITY:

- . Stability: material is stable under normal conditions.
- . Conditions to avoid: excessive heat. Continuous exposures > 200 degrees c.
- . Incompatibility (materials to avoid): strong oxidizers.
- . Hazardous decomposition products: excessive heat may produce carbon monoxide carbon dioxide, aldehydes and ketones, combustion products of nitrogen and sulfur.

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11. TOXICOLOGICAL INFORMATION:

- . Acute oral LD50(MG/KG): None known.
- . Dermal LD50: None.
- . Acute inhalation: US GOV'T 8 HR TWA LIMIT FOR EXPOSURE TO OIL MISTS IS 5 mg per cubic meter.

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 CONDITIONS:

- . 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:

. TSCA: This material is in compliance with the TOXIC SUBSTANCE CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA inventory.

. Hazardous categories for sara 311/312 reporting

HEALTH	Immediate (acute)	No
HEALTH	Delayed (chronic)	No
PHYSICAL	Fire	No
PHYSICAL	Sudden release of pressure	No
PHYSICAL	Reactive	No
PHYSICAL	Nuisance Mist/Dust Only	No
01=SARA 313	11=NJRTK	
02=MASS RTK	12=CERCLA 302.4	
03=NTP Carcinogen	13=MN RTK	
04=CA Prop 65-Carin	14=ACGIM TWA	
05=CAProp65-ReprotTox	15=ACGIH STEL	
06=IRAC Group 1	16=ACGIH Calc TLV	

21=TSCA Sect 5(a) (2)
22=TSCA Sect 6
23=TSCA Sect 12(b)
24=TSCA Sect 8(a)
25=TSCA Sect 8(d)
26=TSCA Sect 4(a)

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07=IRAC Group 2A
08=IRAC Group
09=SARA 302/304
10=PA RTK

17=OSHA PEL
18=DOT marine pollutant
20=EPA Carcinogen

27=Canadian WHMIS
28=OSHA CEILING

The following components of this material are found on the regulatory lists indicated.

POLYALPHAOLEFINS

Also meeting the FDA technical white oils specifications as described in 21 CFR 178.3620 (b) (1)

16. OTHER INFORMATION:

NFPA RATING	FLAMMABILITY	1	SPECIAL HAZARD	NONE
	HEALTH HAZARD	0		
	REACTIVITY	0		

Sources

Material safety data sheet of the supplier

Other

The information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.