



# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Advalube (TM) E-2100 Specialty Lubricant

Revision date: 02/28/2002

**Supplier** Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2399 USA

**For non-emergency information contact:** 215-592-3000

**Emergency telephone number**

Spill Emergency	215-592-3000
Health Emergency	215-592-3000
Chemtrec	800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	W/W
Complex aliphatic esters	Not Hazardous	100.0%

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

### Appearance

Form	Beads
Color	White

### Hazard Summary

**CAUTION!**  
MAY CAUSE EYE AND SKIN IRRITATION.

### Potential Health Effects

**Primary Routes of Entry:** Eye contact  
Skin contact

**Eyes:** May cause eye irritation.

**Skin:** Prolonged or repeated skin contact can cause the following:  
Skin irritation

**Ingestion:** Material can cause the following:

vomiting  
abdominal pain  
nausea  
diarrhea

**Inhalation:** Exposure by inhalation is unlikely.

## 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air.

**Skin contact:** Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Ingestion:** Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Consult a physician.

### Notes to physician

Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

## 5. FIRE-FIGHTING MEASURES

<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable

**Suitable extinguishing media:** Extinguishing media - small fires  
carbon dioxide (CO<sub>2</sub>)  
dry chemical  
water spray  
Extinguishing media - large fires  
foam

**Specific hazards during fire fighting:** During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or

decomposition.

**Special protective equipment for fire-fighters:**Wear self-contained breathing apparatus and protective suit.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions

Use personal protective equipment.  
Material can create slippery conditions.

### Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### Methods for cleaning up

Sweep up and shovel into suitable containers for disposal.

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## 7. HANDLING AND STORAGE

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### Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

### Storage

**Storage conditions:**Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure limit values

There are no component related exposure limits.

**Eye protection:**Safety glasses

**Hand protection:**Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection: Neoprene gloves  
Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

**Skin and body protection:**Wear as appropriate: chemical resistant apron impervious clothing

**Respiratory protection:**None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. Up to 10 times the exposure limit: Wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Up to 50 times the exposure limit: Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and R95 or P95 filters.

**Protective measures:**Facilities storing or utilizing this material should be equipped with an eyewash facility. Wash thoroughly after handling. Shower or bathe at the end of working. Avoid prolonged or repeated contact with skin.

**Engineering measures:**None required under normal operating conditions.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

Form	Beads
Color	White
Melting point/range	52.00 - 64.00 °C ( 125.60 - 147.20 °F )
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	0.1 hPasee user defined free text
Water solubility	Insoluble

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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Materials to avoid	acids
Polymerization	Product will not undergo polymerization.

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## 11. TOXICOLOGICAL INFORMATION

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Acute oral toxicity	LD50 rat 2,000 mg/kg
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## 12. ECOLOGICAL INFORMATION

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No data available

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## 13. DISPOSAL CONSIDERATIONS

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**Environmental precautions:**CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal**

**Waste Classification:**When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33.

**Contaminated packaging:**Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991. Refer to applicable federal, state, and local regulations.

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#### 14. TRANSPORT INFORMATION

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##### DOT

Not regulated for transport

##### IMO/IMDG

Not regulated for transport

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#### 15. REGULATORY INFORMATION

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##### Workplace Classification

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

##### SARA TITLE III:Section 311/312 Categorizations (40CFR370)

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

##### SARA TITLE III:Section 313 Information (40CFR372)

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

##### CERCLAInformation(40CFR302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

##### US. Toxic Substances Control Act (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

##### Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

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#### 16. OTHER INFORMATION

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##### Legend

ACGIH	American Conference of Governmental Industrial Hygienists
Bac	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

The information provided in this 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 a 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.

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