



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

ADVALUBE™ B-3314 SPECIALTY LUBRICANT

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Supplier ROHM AND HAAS CHEMICALS LLC
A Subsidiary of The Dow Chemical Company
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399 United States

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Emergency telephone number
1 800 424 9300

Local emergency telephone number
989-636-4400

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Metallic soap	Not Hazardous	25.0 - 35.0 %
Fatty acid esters	Not Hazardous	25.0 - 35.0 %
Hydrocarbon wax	Not Hazardous	20.0 - 25.0 %
Dicarboxylic acid esters	Not Hazardous	7.0 - 13.0 %
Synthetic wax	Not Hazardous	3.0 - 7.0 %

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance

Form flakes

Colour white

Odour slight

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. FIREFIGHTING MEASURES

Flash point >150 °C (302.00 °F) Method Not Specified

Lower explosion limit not applicable

Upper explosion limit not applicable

Suitable extinguishing media:Extinguishing media - small fires

Carbon dioxide (CO₂)

Dry chemical

Water spray

Extinguishing media - large fires

Foam

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

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s)

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value
Metallic soap	ACGIH	TWA	10 mg/m ³
Hydrocarbon wax	ACGIH	TWA	2 mg/m ³
Hydrocarbon wax	OSHA P0	TWA	2 mg/m ³
Hydrocarbon wax	NIOSH REL	TWA Fumes	2 mg/m ³

Exposure controls

Engineering measures: None required under normal operating conditions.

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.

Individual protection measures

Eye/face protection: Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed.

Skin protection

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.

Other 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: Wear a properly fitted NIOSH approved (or equivalent) full-facepiece, air-purifying respirator, OR full-facepiece, airline respirator in the pressure demand mode. Above 50 times the exposure limit or Unknown: Wear a properly fitted NIOSH approved (or equivalent) self-contained breathing apparatus in the pressure demand mode, OR full-facepiece, airline respirator in the pressure demand mode with emergency escape provision. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and R95 or P95 filters.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	flakes
Colour	white
Odour	slight
pH	not applicable
Melting point/range	105.00 - 115.00 °C (221.00 - 239.00 °F)
Flash point	>150 °C (302.00 °F) Method Not Specified
Evaporation rate	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Relative vapour density	not applicable
Relative density	ca.1.00
Water solubility	insoluble
Viscosity, dynamic	not applicable
Percent volatility	0 %

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

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	Acids
polymerisation	Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

Acute oral toxicity LD50 rat > 2,000 mg/kg

Component: **Metallic soap**
Acute dermal toxicity LD50 rabbit 5,000 mg/kg

Component: **Hydrocarbon wax**
Acute dermal toxicity LD50 rabbit >3,600 mg/kg

Component: **Hydrocarbon wax**
Skin irritation rabbit slight irritation

Component: **Hydrocarbon wax**
Eye irritation rabbit slight irritation

12. ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

no data available

Metallic soap
Ecotoxicity effects

Toxicity to fish LC50
>100 mg/l

Toxicity to aquatic invertebrates EC50 Daphnia magna
>100 mg/l

Hydrocarbon wax

Elimination information (persistence and degradability)

Biodegradability OECD Test Guideline 301B or Equivalent
21 %
Inherently biodegradable OECD 301B
10-day Window: Fail

13. DISPOSAL CONSIDERATIONS

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. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

Contaminated packaging: Can be landfilled or incinerated, when in compliance with local regulations. Refer to applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

15. REGULATORY INFORMATION

Workplace Classification

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

WHMIS: 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)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Information (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.

United States TSCA Inventory (US.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.

16. OTHER INFORMATION

HMIS Hazard Rating

Health	Fire	Reactivity	Physical Hazard	PPE
0	1	0		

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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