



Appleton Grp LLC  
9377 W. Higgins Road  
Rosemont, IL USA 60018

T (847) 268-6000

**IMPORTANT: EMERGENCY CONTACT  
INFORMATION IS ENCLOSED.**

Dear Customer,

Enclosed please find the Safety Data Sheet (SDS) for the **SolaHD® AC Capacitors**. These are used in our 23 Series and 63 Series Power Conditioners.

This product is purchased from the manufacturer by SolaHD and is distributed with no modification other than packaging, as applicable. Questions regarding application and use may be directed to SolaHD Technical Support.

**Any questions regarding the composition, safe use or potential hazards associated with this material that are not answered in the SDS should be directed to the manufacturer.**

Thank you for your support of SolaHD and our extensive product line.

# MATERIAL SAFETY DATA SHEET



**Bayer Material Science LLC**  
Product Safety & Regulatory Affairs  
100 Bayer Road  
Pittsburgh, PA 15205-9741  
USA

## TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300  
INTERNATIONAL: (703) 527-3887

## NON-TRANSPORTATION

Emergency Phone: Call Chemtrec  
Information Phone: (800) 662-2927

### 1. Product and Company Identification

Product Name: ACCLAIM POLYOL 3300N  
Material Number: 5493080

### 2. Hazards Identification

#### Emergency Overview

**Color:** Clear **Form:** liquid viscous **Odor:** mild.  
Product poses little or no hazard if spilled. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases/fumes may be given off during burning or thermal decomposition.

#### Potential Health Effects

**Primary Routes of Entry:** Skin Contact, Eye Contact

#### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

##### General Effects of Exposure

##### Acute Effects of Exposure

**For Product:** ACCLAIM POLYOL 3300N  
Not expected to cause any adverse acute health effects.

##### Chronic Effects of Exposure

**For Product:** ACCLAIM POLYOL 3300N  
Not expected to cause any adverse chronic health effects.

##### Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

### 3. Composition/Information on Ingredients

#### Hazardous components

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

### 4. First aid measures

#### Eye contact

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

#### Skin contact

In case of skin contact, wash affected areas with soap and water. Thoroughly clean shoes before reuse. Wash clothing before reuse. Get medical attention if irritation develops and persists.

#### Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

#### Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

### 5. Firefighting measures

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam, water spray for large fires.

#### Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

### 6. Accidental release measures

#### Spill and Leak Procedures

Dike or dam spilled material and control further spillage, if possible. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal. Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water.

### 7. Handling and storage

#### Storage temperature:

**maximum:** 60 °C (140 °F)

#### Storage period

36 Months

**Handling/Storage Precautions**

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Avoid inhalation of vapour or mist.

**Further Info on Storage Conditions**

Store separate from food products. Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**8. Exposure controls/personal protection**

Country specific exposure limits have not been established or are not applicable

**Industrial Hygiene/Ventilation Measures**

Use local and general exhaust ventilation to control levels of exposure.

**Respiratory protection**

None required under normal conditions of use., NIOSH approved air-supplied respirator during die cleaning, high temperature processing or when thermal decomposition is suspected.

**Hand protection**

Permeation resistant gloves., Butyl rubber gloves., Nitrile rubber gloves., Neoprene gloves

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

No special skin protection requirements during normal handling and use.

**Additional Protective Measures**

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

**9. Physical and chemical properties**

<b>Form:</b>	liquid
<b>Appearance:</b>	viscous
<b>Color:</b>	Clear
<b>Odor:</b>	mild
<b>pH:</b>	6.8
<b>Boiling point/boiling range:</b>	> 200 °C (392 °F)
<b>Flash point:</b>	218 °C (424.4 °F)
<b>Vapour pressure:</b>	< 0.01 mmHg @ 20 °C (68 °F)
<b>Specific Gravity:</b>	1.01 @ 65 °C (149 °F)
<b>Solubility in Water:</b>	slightly soluble
<b>Viscosity, dynamic:</b>	525 cps @ 25 °C (77 °F)
<b>Bulk density:</b>	1,001 kg/m <sup>3</sup>
<b>Molecular Weight:</b>	3,000

## 10. Stability and reactivity

### Hazardous Reactions

Hazardous polymerisation does not occur.

### Stability

Stable

### Materials to avoid

Oxidizing agents, Isocyanates

### Conditions to avoid

None known.

### Hazardous decomposition products

By Fire and Thermal Decomposition: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke., Other undetermined compounds

## 11. Toxicological information

### Toxicity Data for ACCLAIM POLYOL 3300N

#### Toxicity Note

No data available for this product.

### Toxicity Data for Polyether Polyol

#### Acute oral toxicity

LD50: Approximately 4,000 mg/kg (rat)

#### Acute inhalation toxicity

LC50: > 200 mg/l, 1 h (rat)

Estimated Value

#### Acute dermal toxicity

LD50: > 2,000 mg/kg (rabbit)

Estimated Value

#### Skin irritation

non-irritant

#### Eye irritation

non-irritant

## 12. Ecological information

### Ecological Data for ACCLAIM POLYOL 3300N

#### Additional Ecotoxicological Remarks

No data available for this product.

### Ecological Data for Polyether Polyol

#### Acute and Prolonged Toxicity to Fish

LC50: > 100 mg/l (Other fish, 96 h)

Based on a similar product.

### 13. Disposal considerations

#### **Waste Disposal Method**

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

#### **Empty Container Precautions**

Recondition or dispose of empty container in accordance with governmental regulations. Empty containers retain product residue; observe all precautions for product. Do not heat or cut container with electric or gas torch.

### 14. Transport information

#### **Land transport (DOT)**

Non-Regulated

#### **Sea transport (IMDG)**

Non-Regulated

#### **Air transport (ICAO/IATA)**

Non-Regulated

### 15. Regulatory information

#### **United States Federal Regulations**

OSHA Hazcom Standard Rating: Non-Hazardous

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302):

#### **Components**

None

SARA Section 311/312 Hazard Categories:

Non-hazardous under Section 311/312

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III  
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

#### **Components**

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III  
Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:

#### **Components**

None

#### **US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261)**

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

### State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

#### **Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:**

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
>=1%	Polyether Polyol	25791-96-2
>=1%	Polyether Polyol	CAS# is a trade secret

#### **MA Right to Know Extraordinarily Hazardous Substance List:**

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
1 - 5 ppm	Acetaldehyde	75-07-0
25 - 30 ppm	Furan	110-00-9
5 - 10 ppm	Propylene Oxide	75-56-9

#### **California Prop. 65:**

**Warning! This product contains chemical(s) known to the State of California to be Carcinogenic.**

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
1 - 5 ppm	Acetaldehyde	75-07-0
25 - 30 ppm	Furan	110-00-9
1 - 5 ppm	Cobalt and cobalt compounds	7440-48-4
5 - 10 ppm	Propylene Oxide	75-56-9

### **16. Other information**

#### **NFPA 704M Rating**

<b>Health</b>	0
<b>Flammability</b>	1
<b>Reactivity</b>	0
<b>Other</b>	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

#### **HMIS Rating**

<b>Health</b>	0
<b>Flammability</b>	1
<b>Physical Hazard</b>	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

\* = Chronic Health Hazard

The method of hazard communication for Bayer MaterialScience LLC is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by Bayer MaterialScience LLC as a customer service.

Contact person: Product Safety Department  
Telephone: (412) 777-2835  
MSDS Number: 112000017231  
Version Date: 01/24/2012  
Report version: 1.7

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of Bayer MaterialScience LLC. The information in this MSDS relates only to the specific material designated herein. Bayer MaterialScience LLC assumes no legal responsibility for use of or reliance upon the information in this MSDS.