



# Material Safety Data Sheet

## ANDEROL POLYGUARD 4100

Version: 1.0

Revision Date: 07/30/2013

Print Date: 08/27/2013

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ANDEROL POLYGUARD 4100*

Product Use Description: Lubricant

Company: Manufacturer  
Anderol Specialty Lubricants, a division of Chemtura Corporation  
215 Merry Lane  
East Hanover, NJ  
07936  
United States of America  
  
Telephone: 973-887-7410

Email: msdsrequest@chemtura.com  
Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300  
:  
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898  
  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by Product Safety Department  
07/30/2013 (US) +1 866-430-2775  
  
MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### CAUTION!

Form: liquid      Colour: light yellow      Odour: slight hydrocarbon-like

Hazard Summary : Harmful by inhalation and if swallowed.  
May cause eye and skin irritation.

OSHA Hazards : THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL  
OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

#### Potential Health Effects

Primary Routes of Entry : Eye contact  
Skin contact



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Inhalation

Aggravated Medical Condition : Skin disorders  
Respiratory disorders

Inhalation : Harmful by inhalation.

Skin : May cause skin irritation.  
Prolonged or repeated contact may dry skin and cause irritation.

Eyes : May cause eye irritation.

Ingestion : Harmful if swallowed.  
Aspiration hazard if swallowed - can enter lungs and cause damage.

Carcinogenicity:

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH**

Confirmed animal carcinogen with unknown relevance to humans

Distillates (petroleum), 64742-47-8  
hydrotreated light (Vapour and gas)

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
Distillates (petroleum), hydrotreated light (Vapour and gas) 64742-47-8	>= 5 - < 10 %
antimony tris[O,O-dipropyl] tris(dithiophosphate) 15874-48-3	>= 1 - < 5 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

Inhalation : If inhaled  
Move to fresh air.  
If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen.  
In case of bluish discoloration (lips, ear lobes, fingernails), give oxygen as quickly as possible.  
If symptoms persist, call a physician.



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- Skin contact : In case of skin contact  
Wash off with soap and water.  
Remove contaminated clothing and shoes.  
Wash contaminated clothing before re-use.  
Get medical attention if irritation develops and persists.
- Eye contact : In case of eye contact  
Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.
- Ingestion : If swallowed, DO NOT induce vomiting.  
Consult a physician if necessary.

#### SECTION 5. FIREFIGHTING MEASURES

##### Flammable properties

- Flash point : > 199 °F (93 °C)  
Method: open cup
- Ignition temperature : Remarks: not determined
- Lower explosion limit : Remarks: no data available
- Upper explosion limit : Remarks: no data available

##### Fire fighting

- Suitable extinguishing media : Carbon dioxide (CO2)  
Dry powder  
Foam  
Alcohol-resistant foam  
Water mist
- Unsuitable extinguishing media : Water
- Further information : In the event of fire, cool tanks with water spray.

##### Protective equipment and precautions for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.
- Environmental precautions : Should not be released into the environment.  
Do not contaminate water.  
Do not flush into surface water or sanitary sewer system.



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Methods for containment /  
Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Additional advice : Forms slippery/greasy layers with water.

#### SECTION 7. HANDLING AND STORAGE

##### Handling

Handling procedures : Handle in accordance with good industrial hygiene and safety practice.  
Keep container closed when not in use.  
Do not use pressure to empty drums.  
Ensure all equipment is electrically grounded before beginning transfer operations.

##### Storage

Requirements for storage : Keep container tightly closed in a dry and well-ventilated place.  
Other data : Stable under recommended storage conditions.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Guidelines

##### Components with workplace control parameters

Components / CAS-No.	Value / Basis / Update	Control parameters	Further information
Distillates (petroleum), hydrotreated light (Vapour and gas) 64742-47-8	TWA OSHA Z-1 2007-01-01	500 ppm 2,000 mg/m3	
	TWA ACGIH 2010-03-01	200 mg/m3	
	TWA OSHA P0 1989-01-19	400 ppm 1,600 mg/m3	
antimony tris[O,O-dipropyl] tris(dithiophosphate) 15874-48-3	TWA OSHA Z-1 2011-07-01	0.5 mg/m3	
	TWA ACGIH 2007-01-01	0.5 mg/m3	



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	TWA OSHA P0 1989-01-19	0.5 mg/m3	
	TWA NIOSH REL 2005-09-01	0.5 mg/m3	

#### Engineering measures

#### Personal protective equipment

- Eye protection : Safety glasses with side-shields  
Tightly fitting safety goggles
- Hand protection : Neoprene gloves
- Skin and body protection : impervious clothing
- Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed.  
In the case of vapour formation use a respirator with an approved filter.
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
Provide adequate ventilation.  
Do not breathe dust or spray mist.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

- Form : liquid
- Colour : light yellow
- Odour : slight  
hydrocarbon-like

#### Safety data

- Flash point : > 199 °F (93 °C)  
Method: open cup
- Ignition temperature : Remarks: not determined
- Lower explosion limit : Note: no data available
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pH : Note: not applicable

Boiling point/boiling range : Note: no data available

Vapour pressure : no data available

Density : 0.8398 g/cm<sup>3</sup>

Specific Gravity : 0.8 - 0.91 at

Water solubility : Note: slightly soluble

#### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Heat.

Materials to avoid : Remarks: Strong acids and strong bases

Hazardous decomposition products : Note: Carbon oxides

Hazardous reactions : Hazardous polymerisation does not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Further information : No data is available on the product itself.

#### 12. ECOLOGICAL INFORMATION

##### Further information on ecology

Additional ecological information : There is no data available for this product.

#### SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.

Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

#### SECTION 14. TRANSPORT INFORMATION

##### DOT

Not dangerous goods

##### **TDG**

Not dangerous goods



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**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

#### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**CERCLA Reportable Quantity** :

**SARA 302 Reportable Quantity** :

**SARA 311/312 Hazards** : Acute Health Hazard  
Fire Hazard

#### EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

**SARA 302 Reportable Quantity** :

**SARA 304 Components** : This material does not contain any components with a section 304 EHS RQ.

**SARA 313 Components** : antimony tris[O,O-dipropyl] tris(dithiophosphate)  
15874-48-3

**California Prop. 65 Components** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### The components of this product are reported in the following inventories:

**US.TSCA** On TSCA Inventory

**DSL** All components of this product are on the Canadian DSL list.

**AICS** On the inventory, or in compliance with the inventory

**NZIoC** On the inventory, or in compliance with the inventory

**ENCS** On the inventory, or in compliance with the inventory

**KECI** Not in compliance with the inventory



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**PICCS**

Not in compliance with the inventory

**IECSC**

On the inventory, or in compliance with the inventory

#### SECTION 16. OTHER INFORMATION

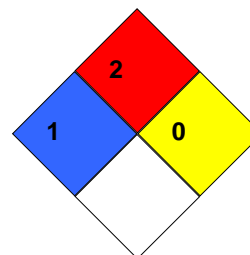
##### Further information

##### HMIS Classification

: Health hazard: 1  
Flammability: 2  
Reactivity: 0  
PPI: Ask supervisor or safety specialist for handling instructions

##### NFPA Classification

: Health hazard: 1  
Fire Hazard: 2  
Reactivity Hazard: 0



##### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

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





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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.