



# Material Safety Data Sheet

## ANDEROL DDF 46

Version: 1.1

Revision Date: 08/31/2012

Print Date: 09/04/2013

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ANDEROL DDF 46*

Product Use Description: Lubricant

Company: Chemtura Corporation  
199 Benson Road  
Middlebury, CT  
06749  
United States of America

Telephone: (US) +1 866-430-2775

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  
(US) +1 866-430-2775  
  
08/31/2012  
  
MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### CAUTION!

Form: liquid      Colour: red      Odour: no data available

Hazard Summary : May cause eye and skin irritation.

OSHA Hazards : ASPIRATION HAZARD

#### Potential Health Effects

Primary Routes of Entry : Eye contact  
Skin contact

Aggravated Medical Condition : Skin disorders



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- Inhalation : May cause respiratory tract irritation.
- Skin : May cause skin irritation.  
Prolonged or repeated contact may dry skin and cause irritation.
- Eyes : May cause eye irritation.
- Ingestion : May be harmful if swallowed.  
Aspiration hazard if swallowed - can enter lungs and cause damage.
- Symptoms of Overexposure : Aspiration may cause pulmonary oedema and pneumonitis.

#### 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

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

No ingredients are hazardous according to OSHA criteria.

### 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.  
Call a physician or poison control centre immediately.
- 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.



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Call a physician or poison control centre immediately.

#### Notes to physician

Symptoms : Aspiration may cause pulmonary oedema and pneumonitis.

Treatment : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5. FIREFIGHTING MEASURES

#### Flammable properties

Flash point : 230 - 234 °F (110 - 112 °C)

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 (CO<sub>2</sub>)  
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

Specific hazards during firefighting : Burning produces noxious and toxic fumes.

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.

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).



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Additional advice : Forms slippery/greasy layers with water.

### SECTION 7. HANDLING AND STORAGE

#### Handling

Handling procedures : 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 areas and containers : 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
Formaldehyde 50-00-0	C  ACGIH  2007-01-01	0.3 ppm	

#### Engineering measures

Engineering measures : Effective exhaust ventilation system  
Ensure that eyewash stations and safety showers are close to the workstation location.

#### 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.  
Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.



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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Appearance

Form : liquid  
Colour : red  
  
Odour : no data available

##### Safety data

Flash point : 230 - 234 °F (110 - 112 °C)  
Ignition temperature : Remarks: not determined  
Lower explosion limit : Note: no data available  
Upper explosion limit : Note: no data available  
pH : Note: not applicable  
Vapour pressure : no data available  
Density : 0.875 g/cm3  
Water solubility : Note: slightly soluble

#### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Contamination  
Heat, flames and sparks.  
  
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

Acute inhalation toxicity : Remarks: Not classified due to lack of data.  
  
Acute dermal toxicity :  
Remarks: Not classified due to lack of data.  
  
Skin irritation : Remarks: Not classified due to lack of data.



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Eye irritation : Remarks: Not classified due to lack of data.

Sensitisation : Remarks: Not classified due to lack of data.

Aspiration toxicity : May be fatal if swallowed and enters airways.

#### Toxicology Assessment

CMR effects : Carcinogenicity:  
Not classified due to lack of data.  
Mutagenicity:  
Not classified due to lack of data.  
Reproductive toxicity:  
Not classified due to lack of data.

Further information : There is no data available for this product.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish :  
Remarks:  
no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks:  
no data available

Toxicity to algae : Remarks:  
no data available

#### Elimination information (persistence and degradability)

Bioaccumulation : Remarks:  
no data available

Mobility : Remarks:  
no data available

Biodegradability : Result: no data available

#### Further information on ecology

#### Ecotoxicology Assessment



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Results of PBT assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

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

##### **IATA**

Not dangerous goods

##### **IMDG**

Not dangerous goods

##### **RID**

Not dangerous goods

#### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Aspiration hazard

**CERCLA Reportable Quantity** :

formaldehyde (Solution) 50-00-0

100 lbs

**SARA 302 Reportable Quantity** :

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

**SARA 302 Reportable Quantity** :

formaldehyde (Solution) 50-00-0

500 lbs

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



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<b>Massachusetts Right To Know Components</b>	: Distillates (petroleum), hydrotreated light naphthenic 64742-53-6 IARC international agency for research on cancer published monograph substances found to have at least sufficient evidence of carcinogenicity in animals.
<b>Pennsylvania Right To Know Components</b>	: Distillates (petroleum), hydrotreated light naphthenic 64742-53-6 IARC international agency for research on cancer published monograph substances found to have at least sufficient evidence of carcinogenicity in animals.  Viscoplex 8-440 Distillates (petroleum), hydrotreated light 64742-47-8 Proprietary Acrylic Copolymer White mineral oil (petroleum) 8042-47-5
<b>New Jersey Right To Know Components</b>	: Distillates (petroleum), hydrotreated light naphthenic 64742-53-6 IARC international agency for research on cancer published monograph substances found to have at least sufficient evidence of carcinogenicity in animals.  Viscoplex 8-440 Distillates (petroleum), hydrotreated light 64742-47-8 Proprietary Acrylic Copolymer White mineral oil (petroleum) 8042-47-5
<b>California Prop. 65 Components</b>	: WARNING! This product contains a chemical known to the State of California to cause cancer.  Formaldehyde  50-00-0 Formaldehyde
<b>The components of this product are reported in the following inventories:</b>	
<b>US.TSCA</b>	On TSCA Inventory
<b>DSL</b>	All components of this product are on the Canadian DSL list.
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	On the inventory, or in compliance with the inventory
<b>ENCS</b>	On the inventory, or in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the inventory



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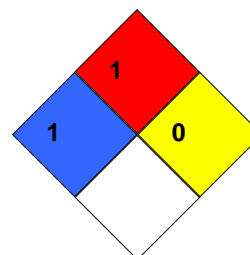
Print Date: 09/04/2013

### SECTION 16. OTHER INFORMATION

#### Further information

**HMIS Classification** : Health hazard: 1  
Flammability: 1  
Physical hazards: 0

**NFPA Classification** : Health hazard: 1  
Fire Hazard: 1  
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 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.