



# SAFETY DATA SHEET

## ANDEROL 755

Version: 1.0

Revision Date: 12/05/2014

Print Date: 04/21/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ANDEROL 755

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: +1 203-573-4596, Toll Free: +1 888-263-3765

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  
(US) +1 866-430-2775

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

### SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	amber
Odour	mild

#### GHS Classification

Skin sensitisation : Category 1  
Acute aquatic toxicity : Category 3  
Chronic aquatic toxicity : Category 3

#### GHS Label element

Signal word : **Warning**

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Hazard pictograms :



Hazard statements :

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

Other hazards :

None

Precautionary statements :

**Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**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.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol	118-82-1	>= 1 - < 5 %
NJTS#: 46728100000-0002 - Proprietary amine		>= 0.1 - < 1 %
diphenylamine	122-39-4	>= 0.1 - < 1 %

### SECTION 4. FIRST AID MEASURES



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- If inhaled : 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.
- In case of 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.
- In case of eye contact : In case of eye contact  
Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Consult a physician if necessary.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : No information available.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
Alcohol-resistant foam  
Water mist
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
- Specific extinguishing methods : In the event of fire, cool tanks with water spray.
- 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.



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- protective equipment and emergency procedures : 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 and materials for containment and 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).

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : 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.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
- Materials to avoid : Strong acids and strong bases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

NJTS#: 46728100000-0002 - Proprietary amine		TWA	10 ml/m3	ACGIH
diphenylamine	122-39-4	TWA	10 mg/m3	ACGIH
		TWA	10 mg/m3	OSHA P0
		TWA	10 mg/m3	NIOSH REL

#### Personal protective equipment

- 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.
- Hand protection  
Remarks : Neoprene gloves
- Eye protection : Safety glasses with side-shields  
Tightly fitting safety goggles
- Skin and body protection : impervious clothing
- Hygiene measures : Avoid contact with skin, eyes and clothing.



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Provide adequate ventilation.  
Do not breathe dust or spray mist.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: amber
Odor	: mild
pH	: No data available
Melting point/range	: Not applicable
Boiling point/boiling range	: No data available
Flash point	: 246 °C Method: open cup
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative density	: 0.97
<u>Solubility(ies)</u>	
Water solubility	: slightly soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Viscosity	
Viscosity, kinematic	: No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Heat.
Incompatible materials	: Strong acids and strong bases
Hazardous decomposition	:



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products

Carbon oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity (Product) : Acute toxicity estimate: > 40 mg/l

Exposure time: 4 h

Method: Calculation method

Acute dermal toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Skin irritation

NJTS#: 46728100000-0002 -

Proprietary amine  
(Component)

: Species: Rabbit

Result: No skin irritation

Method: Draize Test

diphenylamine (Component)

: Species: Rabbit

Result: Mild skin irritation

Eye irritation

NJTS#: 46728100000-0002 -

Proprietary amine  
(Component)

: Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

diphenylamine (Component)

: Species: Rabbit

Result: Mild eye irritation

Sensitisation

NJTS#: 46728100000-0002 -

Proprietary amine  
(Component)

: Maximisation Test (GPMT)

Species: Guinea pig

Classification: May cause sensitisation by skin contact.

Result: May cause sensitisation by skin contact.

Patch Test

Species: Human

Classification: May cause sensitisation by skin contact.

Result: The product is a skin sensitiser, sub-category 1A.

diphenylamine (Component)

: Species: Guinea pig

Result: Does not cause skin sensitisation.

Repeated dose toxicity



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diphenylamine (Component) : Species: Mouse, male  
Application Route: Oral  
Target Organs: Blood, Liver, Kidney  
Exposure time: (90 d)  
NOEL: 1.7 mg/kg  
Lowest observed effect level: 93.8 mg/kg

Species: Mouse, female  
Application Route: Oral  
Target Organs: Blood, Liver, Kidney  
Exposure time: (90 d)  
NOEL: 2.1 mg/kg  
Lowest observed effect level: 107 mg/kg

CMR effects  
NJTS#: 46728100000-0002 - : Carcinogenicity: Animal testing did not show any carcinogenic effects.  
Proprietary amine : Mutagenicity: Animal testing did not show any mutagenic effects., Tests  
(Component) on bacterial or mammalian cell cultures did not show mutagenic effects.

diphenylamine (Component) : Carcinogenicity: Not classifiable as a human carcinogen.  
Mutagenicity: Animal testing did not show any mutagenic effects.  
Teratogenicity: No toxicity to reproduction  
Reproductive toxicity: No toxicity to reproduction

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

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish (Product) : Remarks:  
No data available

Toxicity to daphnia and other : Remarks:  
aquatic invertebrates : No data available  
(Product)

Toxicity to algae (Product) : Remarks:  
No data available

Toxicity to bacteria  
NJTS#: 46728100000-0002 - : EC50: 2 mg/l  
Proprietary amine : Exposure time: 48 h  
(Component) : Species: Protozoa



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EC50: > 10,000 mg/l  
Exposure time: 3 h  
Species: Bacteria

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)  
NJTS#: 46728100000-0002 - : NOEC: 0.02 mg/l  
Proprietary amine Exposure time: 21 d  
(Component) Species: Daphnia magna (Water flea)  
Analytical monitoring: yes

### Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:  
No data available

Mobility (Product) : Remarks:  
No data available

Biodegradability  
NJTS#: 46728100000-0002 - : aerobic  
Proprietary amine Result: According to the results of tests of biodegradability this  
(Component) product is not readily biodegradable.  
0 %  
Method: OECD Test Guideline 301

### Further information on ecology

#### Ecotoxicology Assessment

Results of PBT assessment (Product)  
This substance is not considered to be persistent, bioaccumulating and toxic (PBT).  
Additional ecological : There is no data available for this product.  
information (Product)

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : In accordance with local and national regulations.

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

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## SECTION 14. TRANSPORT INFORMATION

### ADR

Not dangerous goods



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### RID

Not dangerous goods

### MERCOSUR

Not dangerous goods

### DOT

Not dangerous goods

### IATA

Not dangerous goods

### IMDG

Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

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

### US State Regulations

#### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

1-naphthylamine	134-32-7
2-naphthylamine	91-59-8
aniline	62-53-3

#### 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.

#### AICS

On the inventory, or in compliance with the inventory

#### NZIoC

Not in compliance with the inventory

#### ENCS

On the inventory, or in compliance with the inventory

#### KECI

On the inventory, or in compliance with the inventory

#### PICCS

Not in compliance with the inventory

#### IECSC

On the inventory, or in compliance with the inventory

#### CH INV

The formulation contains substances listed on the Swiss Inventory

## SECTION 16. OTHER INFORMATION



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### Further information

#### 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.