

# Safety Data Sheet

## Cetiol® J 600

Revision date : 2015/04/15

Version: 1.0

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(30527949/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

#### Cetiol® J 600

#### Recommended use of the chemical and restriction on use

Recommended use\*: for cosmetic use only

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Synonyms: cosmetic ingredient

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### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

#### Hazards not otherwise classified

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No specific dangers known, if the regulations/notes for storage and handling are considered.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### Emergency overview

Low hazard for usual industrial or commercial handling.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
17673-56-2	60.0 - 100.0 %	13-Docosenoic acid, (9Z)-9-octadecen-1-yl ester, (13Z)-

## 4. First-Aid Measures

### Description of first aid measures

#### If inhaled:

Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.

#### If on skin:

After contact with skin, wash immediately with plenty of water and soap.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If adverse health effects develop seek medical attention.

#### If swallowed:

Do not induce vomiting. Call a poison control center or physician for treatment advice. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

### Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.  
Hazards: No hazard is expected under intended use and appropriate handling.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat symptomatically.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, carbon dioxide, dry powder, foam

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear a self-contained breathing apparatus.

#### Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

#### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

#### Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

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### 7. Handling and Storage

#### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

#### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: tinned carbon steel (Tinplate), glass, High density polyethylene (HDPE), Carbon steel (Iron)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating. Protect against moisture. Please refer to the product specific data sheet for further information.

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Storage stability:  
Storage temperature: 20 - 30 °C  
Protect against moisture.  
Protect from temperatures below: 20 °C  
Characteristics of the product are reversibly changed when falling below the limit temperature.  
Protect from temperatures above: 30 °C  
Properties of the product change irreversibly on exceeding the limit temperature.

## 8. Exposure Controls/Personal Protection

**Advice on system design:**  
Ensure adequate ventilation.

### Personal protective equipment

**Respiratory protection:**  
Not applicable with adequate ventilation. Wear a NIOSH-certified (or equivalent) respirator as necessary. Follow manufacturer's recommendations.

**Hand protection:**  
Plastic gloves, Rubber gloves

**Eye protection:**  
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

**Body protection:**  
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures:**  
Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	almost odourless	
Odour threshold:		not applicable
Colour:	yellowish	
pH value:		not applicable
pour point:	< 15.0 °C	(DIN ISO 3016)
melting range:	-7 - 19 °C	( 1,013 hPa) (OECD Guideline 102)
boiling temperature:	> 300 °C	
Flash point:	254 °C	(Directive 92/69/EEC, A.9)
Flammability:	not flammable	
Flammability of Aerosol		not applicable, the product does not form flammable aerosols)
Products:		
Lower explosion limit:		For liquids not relevant for classification and labelling.
Upper explosion limit:		For liquids not relevant for classification and labelling.
Autoignition:		not determined
Vapour pressure:	< 0.0001 Pa	( 20 °C)

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Density:	0.863 - 0.868 g/cm <sup>3</sup>	( 20 °C) (DGF C-IV 2; QP1100.0; Density)
Vapour density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):	> 10	(calculated)
Self-ignition temperature:		not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	40 - 50 mPa*s	( 20 °C) (DGF C-IV 7; Viscosity Höppler/Ubbelohde)
Viscosity, kinematic:		not determined
Solubility in water:		insoluble
Solubility (qualitative):	insoluble	
	solvent(s): distilled water,	
Evaporation rate:		Value can be approximated from Henry's Law Constant or vapor pressure.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.	

## 10. Stability and Reactivity

### Reactivity

Oxidizing properties:  
not fire-propagating

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

Reacts with oxidizing agents. Reacts with strong acids.

### Conditions to avoid

See MSDS section 7 - Handling and storage.

### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

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### Primary routes of entry

Dermal contact.

### **Acute Toxicity/Effects**

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

#### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg (Directive 84/449/EEC, B.1)

#### Inhalation

Type of value: LC50

Species: rat

Value: > 5 mg/l (OECD Guideline 436)

Exposure time: 4 h

An aerosol was tested.

No mortality was observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg (OECD Guideline 402)

No mortality was observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes.

Not irritating to the skin.

#### Skin

Species: rabbit

Result: non-irritant

Method: Draize test

#### Eye

Species: rabbit

Result: non-irritant

Method: Draize test

#### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

#### Buehler test

Species: guinea pig

Result: Non-sensitizing.

Method: OECD Guideline 406

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### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: No adverse effects were observed after repeated exposure in animal studies.

### Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in a test with mammals. Genetic toxicity in vitro: Directive 84/449/EEC, B.14 Ames-test Salmonella typhimurium:negative

### Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

### Reproductive toxicity

Assessment of reproduction toxicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

## Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

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## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 > 100 mg/l, Brachydanio rerio

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Aquatic invertebrates

EL50 (48 h) > 100 mg/l, Daphnia magna (Directive 92/69/EEC, C.2, static)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. Limit concentration test only (LIMIT test). No effects at the highest test concentration. No toxic effects occur within the range of solubility.

Analogous: Assessment derived from products with similar chemical character.

#### Aquatic plants

EL50 (72 h) > 100 mg/l (growth rate), Scenedesmus subspicatus (OECD Guideline 201, static)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. No toxic effects occur within the range of solubility. No effects at the highest test concentration.

Analogous: Assessment derived from products with similar chemical character.

## Microorganisms/Effect on activated sludge

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### Toxicity to microorganisms

bacterium/EC0: > 100 mg/l

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

Readily biodegradable (according to OECD criteria).

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

Significant accumulation in organisms is not to be expected.

The product has not been tested.

### **Mobility in soil**

#### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is expected.

The product has not been tested. The statement has been derived from the structure of the product.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## 14. Transport Information

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Federal Regulations

Registration status:



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Chemical TSCA, US blocked / not listed

used for R&D purposes

Cosmetic TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Not hazardous;

**NFPA Hazard codes:**

Health : 1 Fire: 1 Reactivity: 0 Special:

**HMIS III rating**

Health: 1 Flammability: 1 Physical hazard: 0

## 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2015/04/15

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