



## SAFETY DATA SHEET RITAQUTA 400

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name RITAQUTA 400  
Synonyms, Trade Names POLYQUATERNIUM-10  
CAS-No. 81859-24-7

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Cosmetic Preparations

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

Supplier RITA Corporation  
P.O. Box 457  
Crystal Lake  
IL 60039-0457  
USA  
815 337 2500  
815 337 2522  
sds@ritacorp.com

#### 1.4. Emergency telephone number

CHEMTREC EMERGENCY HOTLINE: 800-424-9300 CHEMTREC (Outside USA/Canada) 1-703-527-3887

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.  
Human health STOT Single 3 - H335  
Environment Not classified.

Classification (67/548/EEC) Xi;R37.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H335 May cause respiratory irritation.

Supplementary Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P403+233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

#### 2.3. Other hazards

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No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### **3.1. Substances**

Product name RITAQUTA 400  
CAS-No. 81859-24-7  
Composition Comments  
Polyquaternium-10

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

Inhalation  
Move into fresh air and keep at rest.  
Ingestion  
Get medical attention if any discomfort continues.  
Skin contact  
Wash the skin immediately with soap and water. Remove contaminated clothing.  
Eye contact  
Rinse the eye with water immediately. Continue to rinse for at least 15 minutes.

#### **4.2. Most important symptoms and effects, both acute and delayed**

General information  
No specific symptoms noted.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No specific first aid measures noted.

### SECTION 5: FIREFIGHTING MEASURES

#### **5.1. Extinguishing media**

Extinguishing media  
Water spray, fog or mist.

#### **5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products  
During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

#### **5.3. Advice for firefighters**

Special Fire Fighting Procedures  
No specific fire fighting procedure given.  
Protective equipment for fire-fighters  
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Risk of contact: Wear protective gloves and goggles/face shield.

#### **6.2. Environmental precautions**

The product is biodegradable.

#### **6.3. Methods and material for containment and cleaning up**

Absorb spillage with suitable absorbent material. Collect in containers and seal securely.

#### **6.4. Reference to other sections**

For waste disposal, see section 13.

### SECTION 7: HANDLING AND STORAGE

#### **7.1. Precautions for safe handling**

Avoid inhalation of dust. Provide good ventilation.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays.

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### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

Protective equipment



Engineering measures

All handling to take place in well-ventilated area.

Respiratory equipment

Respiratory protection not required.

Hand protection

PVC gloves are recommended.

Eye protection

Wear approved safety goggles.

Hygiene measures

Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Powder, dust
Colour	Yellow white
Odour	Characteristic.
Solubility	Soluble in water.
Initial boiling point and boiling range	
Not determined.	
Melting point (°C)	
Not determined.	
Relative density	
Not determined.	
pH-Value, Diluted Solution	5.5 - 6.5 2%
Flash point (°C)	
Not determined.	

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not known.

### 10.4. Conditions to avoid

Avoid contact with strong oxidisers.

### 10.5. Incompatible materials

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### Materials To Avoid

No incompatible groups noted.

### 10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50                      16 mL (1mL = 0.2g in corn oil)

Inhalation

May cause irritation to the respiratory system.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data on possible environmental effects have been found.

### 12.1. Toxicity

Acute Fish Toxicity

No data recorded.

### 12.2. Persistence and degradability

Degradability

The product is potentially degradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility:

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

Not applicable.

**RITAQUTA 400****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Environmental Listing

No listing noted.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Date	22/11/2011
Revision	1
Date	22/11/2011
Risk Phrases In Full	
R37	Irritating to respiratory system.
Hazard Statements In Full	
H335	May cause respiratory irritation.