

<b>Product name</b>	Celvolit ® 1602	<b>Revision Date</b>	APCN/EN
<b>MSDS number</b>	85591	<b>Issuing date</b>	Jul.04.2008
<b>Revision Number</b>	0.01		Jul.07.2008

## 1. Product and Company Identification

**Product name**  
**Celvolit ® 1602**

### **Manufacturer or supplier's details**

Celanese (China) Holding Co., Ltd  
24F,China Insurance Tower,  
166 Eastern Lu Jia Zui Road  
Shanghai 200120,  
P.R.C  
Fax: +86-21-68876035  
Email: Info.Emulsions.CN@celanese.com  
**Emergency telephone/fax number**  
+86-21-68875800

## 2. Hazards identification

**Classification** This preparation is not classified as dangerous according to Chinese legislation.

### Emergency Overview

Routes of exposure Skin, eyes, inhalation.

### Potential health effects

Inhalation	May cause respiratory tract irritation
Ingestion	May cause gastrointestinal irritation.
Eyes	may cause eye irritation
Skin	Prolonged or repeated exposure may cause skin irritation
Delayed / long-term effects	No information available

## 3. Composition/information on ingredients

### **Chemical characterization**

Water-borne copolymerisate dispersion. Basis: Vinyl acetate Ethylene plasticizer-free

## 4. First aid measures

**General Information** Remove contaminated, soaked clothing immediately and dispose of safely.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Skin** Wash off with soap and water. If symptoms persist, call a physician.

**Eyes** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Call a physician immediately.

# SAFETY DATA SHEET (ISO 11014-1)



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**Ingestion** If swallowed, seek medical advice immediately and show this container or label. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

## Notes to physician

**Main symptoms** None known.  
**Treatment** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable extinguishing media**  
foam. dry powder. carbon dioxide (CO<sub>2</sub>). water spray.

**Extinguishing media which must not be used for safety reasons**  
Do not use a solid water stream as it may scatter and spread fire.

### **Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases**

Under conditions giving incomplete combustion, hazardous gases produced may consist of carbon monoxide  
carbon dioxide (CO<sub>2</sub>)  
Combustion gases of organic materials must in principle be graded as inhalation poisons

**Special protective equipment for fire-fighters**  
Wear self contained breathing apparatus for fire fighting if necessary.

**Environmental precautions**  
Dike and collect water used to fight fire.

**Other Information**  
This is a water-based product and presents no particular fire or explosion hazard.

## 6. Accidental release measures

**Personal precautions**  
Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

**Environmental precautions**  
Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning Up**  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Contaminated equipment (brushes, rags) must be cleaned immediately with water. Dispose of in accordance with local regulations.

## 7. Handling and storage

### Handling

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### Advice on safe handling

Product may contain hazardous volatile ingredients which could accumulate in the unvented headspace of drums or containers. Open containers in ventilated area. Do not breathe vapor.

### Protection - fire and explosion:

No special protective measures against fire required.

### Storage

#### Material storage

Protect from frost. To maintain product quality, do not store in heat or direct sunlight. Keep at temperatures between 5 and 35 °C (40 and 95 F).

#### Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. No special technical protective measures required.

#### Incompatible products

No special restrictions on storage with other products.

#### German storage class

12: Non-combustible liquids.

## 8. Exposure controls / personal protection

### National occupational exposure limits (Germany)

No exposure limits established.

### ACGIH Exposure Limits

No exposure limits established.

### Exposure controls

#### Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### Personal protective equipment

#### General advice

Avoid contact with skin and eyes.

#### Hygiene measures

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.

#### Eye protection

safety glasses.

#### Hand protection

Chemicals resistant gloves

#### Suitable material

rubber gloves

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**Type** These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used

## 9. Physical and chemical properties

### Appearance

<b>Form</b>	liquid
<b>Colour</b>	milky white
<b>Odor</b>	sweet

<b>pH</b>	4.0 - 5.0
<b>Method</b>	ISO 976

<b>Viscosity</b>	200 - 4000 mPa*s @ 23°C
<b>Method</b>	Brookfield Visc. RVT Sp. 3 / 20 r.p.m.

<b>vapor pressure</b>	24 hPa @ 20°C
<b>Water solubility</b>	miscible

## 10. Stability and reactivity

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to avoid</b>	Do not freeze
<b>Materials to avoid</b>	materials that react with water.
<b>Thermal decomposition</b>	No decomposition if stored and applied as directed.
<b>Hazardous reactions</b>	No hazards to be especially mentioned.

## 11. Toxicological information

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

## 12. Ecological information

Ecotoxicological data are not available. According to experience, the material has no harmful effect on the environment.

## 13. Disposal considerations

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### 13. Disposal considerations

<b>Product information</b>	Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal. Diluted solution may be introduced into a biological purification plant, with permission of the responsible authorities
<b>Uncleaned empty packaging</b>	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Regulations concerning reuse or disposal of used packaging materials must be observed.
<b>European Waste Catalogue</b>	Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

### 14. Transport information

<b>ADR/RID</b>	Not regulated
<b>ADNR</b>	Not regulated
<b>ICAO/IATA</b>	not restricted
<b>IMDG</b>	Not regulated

### 15. Regulatory information

<b>Classification</b>	This preparation is not classified as dangerous according to Chinese legislation.
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### 16. Other information

**For further information, see:**

For more information, consult the Technical Data Sheet ([www.celanese-emulsions.com](http://www.celanese-emulsions.com)).

**Other Information:**

Traces of residual monomers can be found in the product: Vinyl acetate.

Changes against the previous version are marked by \*\*\*

**Sources of key data used to compile the datasheet**

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable. The absence of data elements required by ANSI or 1907/2006 indicates, that no data meeting these requirements is available.

**Further information**

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality