

#### SAFETY DATA SHEET

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY **UNDERTAKING**

Trade name

**BREDOL 691** 

Chemical description/Application Emulsifier

Supplier

Akzo Nobel Surface Chemistry AB

SE 444 85 Stenungsund

**SWEDEN** 

Tel: +46 303 850 00 Fax: +46 303 813 06

Emergency telephone

+ 31 570679211 (Fax. +31 570679801) Akzo Nobel Chemicals, Deventer, NL

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a substance according to EU-legislation.

Substance name

EU number

**CAS** number

**Concentration Symbols** 

Risk phrases

Glyceryl polyethyleneglycol

ricinoleate E484 Antioxidant added

233-466-0

61791-12-6

100 %

Other information

10191-41-0

ppm

All components are registered in EINECS (polymer).

### HAZARDS IDENTIFICATION

Not classified as dangerous according to EEC Dangerous Substance Directive and Dangerous Preparation Directive.

### 4. FIRST AID MEASURES

Inhalation

Not relevant.

Skin

Rinse with water.

Eyes

immediately rinse with water for several minutes. If symptoms persist, seek medical

Ingestion

Drink a few glasses of water or milk. Contact physician if larger quantity has been

swallowed (show this Safety Data Sheet).

# 5. FIRE FIGHTING MEASURES

Extinguishing media

Water spray, fog or mist, foam, powder, carbon dioxide.

Unusual fire hazards

Non-flammable. If involved in a fire it will support combustion.

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Hazardous combustion products No typical hazardous decomposition products known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions For personal protection see Section 8.

Environmental precautions Prevent discharge of larger quantities to drain or water courses.

Methods for cleaning up Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth.

Place in container for disposal according to local regulations.

7. HANDLING AND STORAGE

Handling The usual precautions for handling chemicals should be observed.

Storage No specific storage precautions noted.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits** 

Comments No exposure limits have been established. No exposure limits have been established.

Engineering controls The usual precautions for handling chemicals should be observed.

Personal protection

Hand Chemical resistant gloves required for prolonged or repeated contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid.

Colour Yellow.

Odour .

Boiling point/range (°C) > 100 Pressure (kPa)

Melting point/range (°C) ~ -21

Flash point (°C) > 150 Method

Autoignition temperature (°C) > 150

Lower explosion limit (vol %)

Upper explosion limit (vol %)

Vapour pressure - Temperature (°C)

Relative vapour density (air=1) -

Density (kg/m3) 1000 Temperature (°C) 20

Viscosity 800 mPas Temperature (°C) 20

pH value \_

pH value diluted solution 5,5-7,5 Conc. (%)

Solubility in water Partly soluble.

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Solubility in other solvents

Soluble in ethanol.

Partition coefficient (log Pow)

(These data are typical for the product and not a specification)

### 10. STABILITY AND REACTIVITY

Stability

Normally stable.

Hazardous decomposition

products

No typical hazardous decomposition products known.

### 11. TOXICOLOGICAL INFORMATION

## Toxicological data

#### **Health effects**

Respiratory

Not relevant.

Skin

Prolonged or frequent contact may give transient redness and skin cracking.

Eyes

Slightly irritating.

Ingestion

Very low acute toxicity.

Component

Gly cery I poly ethy lenegly col ricinole ate E484

Toxicological data

LD50. oral rat > 5000 mg/kg

## 12. ECOLOGICAL INFORMATION

# Ecotoxicological data

Partition coefficient (log

Pow)

Component

Glyceryi polyethyleneglycol ricinoleate E484

Ecotoxicological data

LC50 96 hours fish > 100 mg/l 1)

Degradation

Readily biodegradable. (The data are estimated from tests on similar products.)

**Bioaccumulation** 

No bioaccumulation is expected.

Other information

1) The data are estimated from tests on similar products.

# 13. DISPOSAL CONSIDERATIONS

Disposal methods

Incineration is recommended. Dispose of in accordance with local authority requirements.

### 14. TRANSPORT INFORMATION

Land transport

Sea transport

Air transport

Other information

Not dangerous goods according to international transport regulations.

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# 15. REGULATORY INFORMATION

Substance name

Glyceryl polyethyleneglycol ricinoleate E484

Antioxidant added

Symbols

**EU directive** 

Safety Data Sheet according to EC-directive 2001/58/EC

Water hazard classification

WGK: 1 (Germany).

Other information

Not classified as dangerous according to EEC Dangerous Substance Directive and

Dangerous Preparation Directive.

# 16. OTHER INFORMATION

This information only concerns the above mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

Important changes were made in 12

section

Composed by

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Explanations to R-phrases in

section 2

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