



Safety data-sheet (91/155 EEC)  
Printed 02.01.2006  
Revision 22.11.2005 (GB) Version 1.0  
**ESTRAMET® S 33**  
42 898.64

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

<b>Name of product</b>	<b>ESTRAMET® S 33</b> Prod-Nr. 42 898.64 Q-Nr. V 563/0805 Jo/sh
<b>Manufacturer/distributor</b>	Oemeta Chemische Werke GmbH Ossenpadd 54, D-25536 Uetersen Phone ++49 (0)4122/924-0, Fax ++49 (0)4122/924-157  E-Mail oemeta@oemeta.com Internet www.oemeta.com
<b>Advice</b>	Stefan Joksch Phone ++49 (0)4122/924-124 Fax ++49 (0)4122/924-157
<b>Emergency advice</b>	Chemtrec Phone 800 / 424-9300
<b>Recommended intended purpose(s)</b>	Water miscible cutting fluid (preparation to ISO 6743-7)
<b>Effect of the substance / the formulation</b>	Application range: industry / craft. For special application notes see technical data sheet.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization

Preparation, contains ester oils, emulsifiers, additives

### Hazardous ingredients

CAS-No.	EC-No.	Name	[%-Vol]	Classification
112-34-5	203-961-6	Diethylene glycol monobutyl ether	< 4,2	
55406-53-6		3-iodo-propynyl butyl carbamate	< 0,3	

### Additional advice

Please note: The information in this safety data sheet refers to the concentrate. In water solubilised form, other properties appropriate to the dilution apply.

See section 8 and 15 for further information concerning hazardous substances.

Composition: 20-30 % synthetic ester oils, 10-20 % alkanolamine acids and amides of fatty and boric acid, 30-40 % emulsifiers, 2-3 % biocides, 10-20 % water

## 3. HAZARDS IDENTIFICATION

### Special hazards information for humans and environment

This product does not require marking as dangerous under the hazardous substances ordinance.

## 4. FIRST AID MEASURES

### General information

Remove contaminated soaked clothing.

### In case of inhalation

In the event of symptoms refer for medical treatment.



Safety data-sheet (91/155 EEC)  
Printed 02.01.2006  
Revision 22.11.2005 (GB) Version 1.0  
**ESTRAMET® S 33**  
42 898.64

---

**In case of skin contact**

In case of contact with skin wash off with soap and water.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with warm water.

**In case of ingestion**

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

---

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
Water spray jet

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.  
UEL / LEL and flashpoint see section 9.

---

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

High risk of slipping due to leakage/spillage of product.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.  
Do not discharge into the subsoil/soil.

**Methods for cleaning up**

Take up with absorbent material (e.g. oil binder).

**Additional Information**

Informations for disposal see chapter 13.

---

**7. HANDLING AND STORAGE****Requirements for storage rooms and vessels**

Do not use containers, leads, pipes a.s.o. of copper or copper-containing alloys.  
Do not use zinc containers.

**Further information on storage conditions**

Keep container tightly closed.  
Store in a cool, well ventilated area, away from extreme heat or open flame.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Additional advice on system design

In case of forming aerosols/vapours we recommend purposeful exhaust.

### Respiratory protection

Pay attention for good general ventilation.

### Hand protection

At full-contact with the concentrate we recommend to use gloves.

### Eye protection

Safety glasses

### General protective measures

Avoid contact with eyes and skin

### Hygiene measures

Do not eat or drink when working.

Clean skin thoroughly after working.

Cloths contaminated with product should not be kept in trouser pockets.

Keep away from food and drink.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b> liquid	<b>Colour</b> amber	<b>Odour</b> characteristic
-----------------------	------------------------	--------------------------------

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	9 - 11	20 °C		ASTM D 1287	68 °F
<b>cloud / clear point</b>	< 0 °C			ASTM D 5773	<32 °F
<b>Flash point</b>	not applicable				product contains water
<b>Combustion temperature</b>	not applicable				product contains water
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Density</b>	0,97 - 1 g/cm <sup>3</sup>	20 °C		ASTM D 1298	68 °F
<b>Solubility in water</b>					emulsifiable
<b>Viscosity 1 kinematic</b>	84 - 140 mm <sup>2</sup> /s	20 °C		ASTM D 445	68 °F

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

Avoid heating of concentrate > 100 °C.

### Materials to avoid

Reactions with acids and strong oxidising agents.



## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>Irritability skin</b>	not irritating	rabbit	OECD 404	Test concentration 8 %
<b>Irritability eye</b>				Can shortly be irritating in case of direct contact.

### Additional information

Pay attention to skin care/protection when continual or frequent contact with the water mixed form occurs, because the product has degreasing effect which can make the skin dry.  
Cutting fluid aerosol/vapours in the working environment should be avoided.

## 12. ECOLOGICAL INFORMATION

### Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				Biodegradable
	The biodegradability of this product has not been tested, the classifying is related to the biodegradability of the single raw materials.			

### General regulation

Do not discharge product unmonitored into the environment.

## 13. DISPOSAL CONSIDERATIONS

### Recommendations for packaging

Waste disposal method must comply with local, state and federal regulations.

### Recommended cleansing agent

Water

## 14. TRANSPORT INFORMATION

### Transport/further informations

D.O.T. - non hazardous

## 15. REGULATORY INFORMATION

### Remarks for classification

All constituents of the product are listed in the TSCA and DSL inventory.

WHMIS Classification: D2B

This product contains the following chemicals, listed in: SARA Title III, Section 311/312 - Hazard Class - 40 CFR 370.2: Diethylene glycol butyl ether - CAS-No. 112-34-5: < 4,2 %

This product contains the following chemicals, listed in: SARA Title III, Section 313 Components - 40 CFR 372.65: Diethylene glycol butyl ether - CAS-No. 112-34-5: < 4,2 %; 3-iodo-2-propynyl butyl carbamate - CAS-No. 55406-53-6: < 0,3 %

### VOC standard

**VOC content** 9 %



Safety data-sheet (91/155 EEC)  
Printed 02.01.2006  
Revision 22.11.2005 (GB) Version 1.0  
**ESTRAMET® S 33**  
42 898.64

## 16. OTHER INFORMATION

### Training advice

For further information how to use this product please apply to: Oemeta Chemische Werke GmbH/Germany, phone Mr. Joksch +49 4122/924-124.

### Recommend uses and restrictions

### Further information

For further information please apply the Technical Department ++49 4122/924-132.

! An exclamation mark before the relevant section number indicates that the safety data sheet has been revised.

SARA = Superfund Amendment and Reauthorization Act

TSCA = Toxic Substance Control Act

DSL = Domestic Substances List

All declarations of safety-data-sheet refer to pure substance.

### Sources of key data used

Oemeta Technical Department