



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## OPUS SYSTEM CLEANER

Revision 3

Revision date 2018-02-09

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	OPUS SYSTEM CLEANER
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU17] General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment;
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#### 1.3. Details of the supplier of the safety data sheet

Company	Ferguson & Menzies Ltd
Address	312 Broomloan Road Glasgow G51 2JW
Web	www.fergusonmenzies.co.uk
Telephone	0141-445 3555
Fax	0141-425 1079
Email	info@fergusonmenzies.co.uk
Email address of the competent person	info@fergusonmenzies.co.uk

#### 1.4. Emergency telephone number


Emergency telephone number	0141-445-3555 09.00 - 17.00
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### SECTION 2: Hazards identification

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

2.1.1. Classification - 1999/45/EC	Xi; R43 Symbols: Xi: Irritant.
Main hazards	May cause sensitisation by skin contact.
2.1.2. Classification - EC 1272/2008	Skin Sens. 1: H317;

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Sens. 1: H317 - May cause an allergic skin reaction.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P321 - Specific treatment (see on this label).

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## 2.2. Label elements

<b>Precautionary Statement: Disposal</b>	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
	P501 - Dispose of contents/container to

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	613-114-00-6	4719-04-4	225-208-0		1 - 10%	Xn; R22 R43	
2-(2-butoxyethoxy)ethanol (2-(2-Butoxyethoxy) ethanol)		112-34-5	203-961-6		1 - 10%	Xi; R36	
Fungicide		3811-73-2	223-296-5		0 - 0.5%	Xn; R20/21 Xi; R36/38 N; R50	

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	613-114-00-6	4719-04-4	225-208-0		1 - 10%	Acute Tox. 4: H302; Skin Sens. 1: H317;	
2-(2-butoxyethoxy)ethanol (2-(2-Butoxyethoxy) ethanol)		112-34-5	203-961-6		1 - 10%	Eye Irrit. 2: H319;	
N,N'-Methylene Bismorpholine		5625-90-1	227-062-3		1 - 10%	Acute Tox. 4: H302+H332;	
Rape Oil Reaction with 2'2 Iminodiethanol					1 - 10%	Acute Tox. 4: H302+H312+H332;	
Fungicide		3811-73-2	223-296-5		0 - 0.5%	Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Aquatic Acute 1: H400;	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

<b>Inhalation</b>	Coughing, difficulty in breathing.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Itching.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat.

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

<b>Inhalation</b>	Coughing, difficulty in breathing and in severe cases, loss of consciousness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritant, severe skin.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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## 5.1. Extinguishing media

Carbon oxides.

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

Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

### 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### 6.4. Reference to other sections

See section 8 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

### 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

2-(2-butoxyethoxy)ethanol (2-Butoxyethoxy) ethanol	WEL 8-hr limit ppm: 10	WEL 8-hr limit mg/m3: 67.5
	WEL 15 min limit ppm: 15	WEL 15 min limit mg/m3: 101.2
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

### 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear:.. Suitable respiratory equipment.

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## SECTION 9: Physical and chemical properties

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

Appearance	Liquid
Colour	Amber
Odour	Characteristic
Flash point	> 93 °C
Relative density	1.014 @ 15°C
pH	9.5
Initial boiling point	100 °C
Solubility	Miscible in water

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	No data available.
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### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	Hazardous reactions will not occur under normal transport or storage conditions.
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### 10.4. Conditions to avoid

	Heat, sparks and open flames.
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### 10.5. Incompatible materials

	Strong oxidising agents.
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### 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

### 11.1.4. Toxicological Information

	No data available
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## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
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### 12.2. Persistence and degradability

	Readily biodegradable.
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## SECTION 13: Disposal considerations

### General information

	Dispose of in compliance with all local and national regulations.
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### Disposal methods

	Contact a licensed waste disposal company.
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### Disposal of packaging

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

### 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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.

## SECTION 16: Other information

### Other information

#### Text of risk phrases in Section 3

R20/21 - Harmful by inhalation and in contact with skin.  
 R22 - Harmful if swallowed.  
 R36/38 - Irritating to eyes and skin.  
 R36 - Irritating to eyes.  
 R43 - May cause sensitisation by skin contact.  
 R50 - Very toxic to aquatic organisms.

#### Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled  
 Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  
 Aquatic Acute 1: H400 - Very toxic to aquatic life.

### Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.