

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/4

## JMS WORKFORCE SUPER

Revision 10

Revision date 2011-10-26

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

#### 1.1. Product identifier

Product name JMS WORKFORCE SUPER

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

Company	Merlin Chemicals Ltd
Address	Unit 5, Passfield Mill Business Park, Liphook, Hants. GU30 7RR. United Kingdom
Web	www.merlinchemicals.co.uk
Telephone	+44 (0)1428 751122
Fax	+44 (0)1428 751133
Email	technical@merlinchemicals.co.uk

### SECTION 2: Hazards identification

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

2.1.1. Classification - 1999/45/EC  
Xi; R36/38  
Symbols: Xi: Irritant.

Main hazards Irritating to eyes and skin.

#### 2.2. Label elements

Symbols Xi: Irritant.



Risk phrases R36/38 - Irritating to eyes and skin.

Safety phrases  
S1/2 - Keep locked up and out of the reach of children.  
S13 - Keep away from food, drink and animal feedingstuffs.  
S25 - Avoid contact with eyes.  
S37/39 - Wear suitable gloves and eye/face protection.  
S46 - If swallowed, seek medical advice immediately and show this container or label.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## JMS WORKFORCE SUPER

Revision 10

Revision date 2011-10-26

## 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
C10-C16 Alkyl Benzyl Dimethyl Ammonium Chloride		68391-01-5	270-325-2		0.5 - 1%	C; R34 Xn; R22 N; R50
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		1 - 10%	Xn; R20/21/22 Xi; R36/38
Alkyl amido propyl dimethylamine betaine		61789-40-0	263-058-8		1 - 10%	Xi; R36
Alkyl dimethyl amine oxide		70592-80-2	274-687-2		0.5 - 1%	Xi; R38-41 N; R50
Sodium metasilicate pentahydrate		10213-79-3	229-912-9		1 - 10%	C; R34 Xi; R37
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6		1 - 10%	Carc. Cat. 3; R40 Xn; R22 Xi; R36

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

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

	Burning produces irritating, toxic and obnoxious fumes.
--	---

## 5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus.
--	---

## 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

	Prevent further spillage if safe. Advise local authorities if large spills cannot be contained.
--	---

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

	Contain with sand or granules. Sweep up. Transfer to suitable, labelled containers for disposal.
--	--

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
--	--

## 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.
--	--

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

# JMS WORKFORCE SUPER


Revision 10

Revision date 2011-10-26

## 8.1.1. Exposure Limit Values

Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: -

## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating. Promptly remove any clothing that becomes contaminated.
Eye / face protection	Safety glasses.
Skin protection - Handprotection	Rubber gloves.
Respiratory protection	Wear suitable respiratory equipment when necessary.
8.2.3. Environmental exposure controls	Users should be aware of environmental considerations and their duties under the Environmental Protection Act.

## SECTION 9: Physical and chemical properties

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

State	Liquid
Colour	Colourless
Odour	Characteristic
pH	13 - 14
Relative density	1.07 - 1.08 (Water = 1 @ 20 °C)
Solubility	Soluble in water

### Water solubility

	Soluble in water.
--	-------------------

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	Ingestion may cause nausea and vomiting.
Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.

## SECTION 12: Ecological information

### 12.1. Toxicity

	The detergents contained within this formulation achieve >90% biodegradability.
--	---

## SECTION 13: Disposal considerations

### General information

	Dispose of in compliance with all local and national regulations.
--	---

### Disposal of packaging

## JMS WORKFORCE SUPER

Revision 10

Revision date 2011-10-26

<b>Disposal of packaging</b>	
	Containers must be recycled in compliance with national legislation and environmental regulations.
<b>SECTION 14: Transport information</b>	
<b>ADR/RID</b>	
	The product is not classified as dangerous for carriage.
	Not classified as hazardous for transport.
<b>IMDG</b>	
	The product is not classified as dangerous for carriage.
<b>IATA</b>	
	The product is not classified as dangerous for carriage.
<b>SECTION 15: Regulatory information</b>	
<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	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.
<b>SECTION 16: Other information</b>	
<b>Other information</b>	
<b>Revision</b>	This document differs from the previous version in the following areas: 15 - 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.
<b>Text of risk phrases in Section 3</b>	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R22 - Harmful if swallowed. R34 - Causes burns. R36/38 - Irritating to eyes and skin. R36 - Irritating to eyes. R37 - Irritating to respiratory system. R38 - Irritating to skin. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of serious damage to eyes. R50 - Very toxic to aquatic organisms.
<b>Further information</b>	
	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.