

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Reflection

Revision 5  
Revision date 2016-01-28

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

Product name	Reflection
Product code	R001

#### 1.1. Product identifier

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

Company	Cleaning Supplies 2U LTD
Address	Unit 4, Pineapple Court Road One, Winsford Industrial Estate, Winsford, Cheshire CW7 3PR
Web	
Telephone	+44 (0) 1606 863637
Fax	
Email	sales@cleaningsupplies2u.co.uk

#### 1.4. Emergency telephone number


Emergency telephone number	+44 (0) 1606 863637
Company	Cleaning Supplies 2U LTD 9am to 5pm

### SECTION 2: Hazards identification

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

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319;
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#### 2.2. Label elements

Hazard pictograms	
Signal Word	<b>Warning</b>
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

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## 2.3. Other hazards

Other hazards	No significant hazards.
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## 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.
Ethylene glycol monobutyl ether	603-014-00-0	111-76-2	203-905-0		10 - 20%	Xn; R20/21/22 Xi; R36/38	
Propan-2-ol	603-117-00-0	67-63-0	200-661-7		1 - 10%	F; R11 Xi; R36 R67	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ethylene glycol monobutyl ether	603-014-00-0	111-76-2	203-905-0		10 - 20%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;	
Propan-2-ol	603-117-00-0	67-63-0	200-661-7		1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area.
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## 6.2. Environmental precautions

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## 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

For small spills: Dilute with plenty of water and wash to foul drain. For large spills: Absorb with inert, absorbent material. Transfer to suitable labelled containers for disposal.

## 6.4. Reference to other sections

See section 7 for handling information. See section 8 for personal protection information. See section 13 for disposal 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.

### Suitable packaging

Plastic containers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

Ethylene glycol monobutyl ether	WEL 8-hr limit ppm	25	WEL 8-hr limit mg/m <sup>3</sup> :	123
	WEL 15 min limit ppm	50	WEL 15 min limit mg/m <sup>3</sup> :	101.2
	WEL 8-hr limit mg/m <sup>3</sup> total	-	15 min limit mg/m <sup>3</sup> total	-
	inhalable dust:		inhalable dust:	
Propan-2-ol	WEL 8-hr limit ppm	400	WEL 8-hr limit mg/m <sup>3</sup> :	999
	WEL 15 min limit ppm	500	WEL 15 min limit mg/m <sup>3</sup> :	1250
	WEL 8-hr limit mg/m <sup>3</sup> total	-	WEL 15 min limit mg/m <sup>3</sup> total	-
	inhalable dust:		inhalable dust:	
	WEL 8-hr limit mg/m <sup>3</sup> total	-	WEL 15 min limit mg/m <sup>3</sup> total	-
	respirable dust:		respirable dust:	

### 8.2. Exposure controls

Eye / face protection	In case of splashing, wear. Approved safety goggles.
Skin protection - Handprotection	Rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Not normally required.
Thermal hazards	No further relevant information available.

## SECTION 9: Physical and chemical properties

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

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## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Fruity
Odour threshold	No data available
pH	6 - 7
Initial boiling point	>100
Melting point	< 0
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not Applicable
Autoignition temperature	Not applicable.
Vapour pressure	No data available
Relative density	0.99
Vapour density	No data available
Upper Explosive Limit	Not applicable.
Lower Explosive Limit	Not applicable.
Partition coefficient (n-octanol/water)	No data available
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Viscosity	No data available
Decomposition temperature	No data available

### Water solubility

Soluble in water.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No further relevant information available.

### 10.4. Conditions to avoid

Avoid extremes of temperature.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No further relevant information available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	May cause irritation to mucous membranes.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No sensitising effects known.
Germ cell mutagenicity	No mutagenic effects known.

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## 11.1. Information on toxicological effects

<b>Carcinogenicity</b>	No carcinogenic effects known.
<b>Reproductive toxicity</b>	No reproductive toxicity effects known.
<b>STOT-single exposure</b>	No target organ toxicity effects known.
<b>STOT-repeated exposure</b>	No target organ toxicity effects known.
<b>Aspiration hazard</b>	No aspiration hazards known.

### 11.1.4. Toxicological Information

	No data available
	No known adverse health effects.

## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
	Not regarded as dangerous for the environment.

### 12.2. Persistence and degradability

	No further relevant information available.
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### 12.3. Bioaccumulative potential

	No further relevant information available.
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### 12.4. Mobility in soil

	Soluble in water.
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### 12.5. Results of PBT and vPvB assessment

	No further relevant information available.
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### 12.6. Other adverse effects

	No further relevant information available.
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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 of packaging

	Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.
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### Further information

	Do not empty into drains/sewage systems.
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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.
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### 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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### 14.4. Packing group

	The product is not classified as dangerous for carriage.
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### 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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## 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

Not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

#### Regulations

**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.**

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## SECTION 16: Other information

### Other information

<b>Revision</b>	This document differs from the previous version in the following areas: <b>9 - 9.1. Information on basic physical and chemical properties (PH).</b>
<b>Text of risk phrases in Section 3</b>	<b>R11 - Highly flammable.</b> <b>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.</b> <b>R36/38 - Irritating to eyes and skin.</b> <b>R36 - Irritating to eyes.</b> <b>R67 - Vapours may cause drowsiness and dizziness.</b>
<b>Text of Hazard Statements in Section 3</b>	<b>Acute Tox. 4: H302 - Harmful if swallowed.</b> <b>Acute Tox. 4: H312 - Harmful in contact with skin.</b> <b>Skin Irrit. 2: H315 - Causes skin irritation.</b> <b>Eye Irrit. 2: H319 - Causes serious eye irritation.</b> <b>Acute Tox. 4: H332 - Harmful if inhaled.</b> <b>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</b> <b>STOT SE 3: H336 - May cause drowsiness or dizziness.</b>

## 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.