

**RBS BLUEWASH** 

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Compilation date: 12/04/2016

Revision No: 1

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

#### 1.1. Product identifier

#### Product name: RBS BLUEWASH

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

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

Company name: Resapol Ltd

Unit D4 Moss Industrial Estate Leigh WN7 3pt

United Kingdom

Tel: 01942 609 002

Fax: 01942 674 799

Email: info@resapol.com

#### 1.4. Emergency telephone number

Emergency tel: 01942 609 001

(office hours only)

### Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CLP: STOT RE 2: H373; Aquatic Chronic 2: H411; Flam. Liq. 2: H225; Repr. 2: H361f; Skin Irrit.

2: H315; STOT SE 3: H336; Eye Irrit. 2: H319

Most important adverse effects: Highly flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Toxic to aquatic life with long

lasting effects.

### 2.2. Label elements

### Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.

H373: May cause damage to organs through prolonged or repeated exposure.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

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H361f: Suspected of damaging fertility.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with.

P273: Avoid release to the environment.

# 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

# Section 3: Composition/information on ingredients

# 3.2. Mixtures

### Non-classified ingredients:

TOLUENE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-625-9	108-88-3	-	Flam. Liq. 2: H225; Repr. 2: H361d;	10-30%
			Asp. Tox. 1: H304; STOT RE 2: H373;	
			Skin Irrit. 2: H315; STOT SE 3: H336	

### ETHYL ACETATE

205-500-4	141-78-6	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319;	10-30%
			STOT SE 3: H336; -: EUH066	

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215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	1-10%
N-HEXANE				
203-777-6	110-54-3	-	Flam. Liq. 2: H225; Repr. 2: H361f; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411	1-10%
ETHANOL				
200-578-6	64-17-5	-	Flam. Liq. 2: H225	1-10%
ETHYL METH	YL KETONE			
201-159-0	78-93-3	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
ACETONE				
200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
N-BUTYL ACE	TATE			
204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	1-10%
LOW BOILING DEAROMATIZ		IA - UNSPECIFIED - NA	PHTHA (PETROLEUM), HYDRODESULPHURIZED LIGHT,	
295-434-2	92045-53-9	-	Asp. Tox. 1: H304; Flam. Liq. 1: H224; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	1-10%
PROPAN-2-OI	L			
200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
ISOPROPYL A	CETATE			
203-561-1	108-21-4	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
METHYL ACE	TATE			
201-185-2	79-20-9	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
METHANOL				
200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301;	1-10%

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### ISOBUTANOL

201-148-0	78-83-1	-	Flam. Liq. 3: H226; Acute Tox. 4: H302;	1-10%
			STOT SE 3: H335; Skin Irrit. 2: H315;	
			Eye Dam. 1: H318; STOT SE 3: H336	

### 4-METHYLPENTAN-2-ONE

203-550-1	108-10-1	-	Flam. Liq. 2: H225; Acute Tox. 4: H332;	1-10%
			Eye Irrit. 2: H319; STOT SE 3: H335; -:	
			EUH066	

#### PROPYL ACETATE

203-686-1 10	09-60-4		Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
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### **BUTAN-1-OL**

200-751-6	71-36-3	-	Flam. Liq. 3: H226; Acute Tox. 4: H302;	<1%
			STOT SE 3: H335; Skin Irrit. 2: H315;	
			Eye Dam. 1: H318; STOT SE 3: H336	

## PROPAN-1-OL

200-746-9	71-23-8	-	Flam. Liq. 2: H225; Eye Dam. 1: H318;	<1%
			STOT SE 3: H336	

### Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor. Do not induce vomiting.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach

pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool

containers.

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

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear protective clothing to prevent contact with skin and eyes. Wear self-contained

breathing apparatus.

### Section 6: Accidental release measures

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

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

#### 6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

# 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for

disposal by an appropriate method. Do not use equipment in clean-up procedure which

may produce sparks.

# 6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

# Section 7: Handling and storage

## 7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Smoking is forbidden. Use non-sparking tools.

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

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep container

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tightly closed. Ensure lighting and electrical equipment are not a source of ignition.

Prevent the build up of electrostatic charge in the immediate area.

Suitable packaging: Must only be kept in original packaging.

#### 7.3. Specific end use(s)

Specific end use(s): PC35: Washing and cleaning products (including solvent based products).

### Section 8: Exposure controls/personal protection

# 8.1. Control parameters

**Respirable dust** 

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210mg/m <sup>3</sup>	3620mg/m <sup>3</sup>	-	-

#### **DNEL/PNEC** Values

### **RBS BLUEWASH**

Туре	Exposure	Value	Population	Effect
DNEL	Oral	62mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	2420 mg/m	Workers	Local
DNEL	Dermal	3182 mg/kg/day	Workers	Systemic
PNEC	Fresh water	0.18 mg/l	-	-
PNEC	Microorganisms in sewage treatment	13.61 mg/l	-	-
PNEC	Soil (agricultural)	29.5mg/kg	-	-
PNEC	Marine water	1.25 mg/l	-	-
PNEC	Marine sediments	12.46 mg/kg	-	-
PNEC	Fresh water sediments	30.4 mg/kg	-	-

### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical

equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: Storage should be placed inside a fully bunded area of sufficient size to contain the

volume plus 10%. Prevent from entering in public sewers or the immediate environment.

#### Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties State: Liquid Colour: Off-white Odour: Perceptible odour Evaporation rate: Moderate Oxidising: Non-oxidising (by EC criteria) Solubility in water: Slightly soluble Also soluble in: Most organic solvents. Viscosity: No data available. Boiling point/range°C: 55-155 Melting point/range°C: No data available. Flammability limits %: lower: 1.1 upper: 12.8 Flash point°C: <21 Part.coeff. n-octanol/water: No data available. Autoflammability°C: >203 Vapour pressure: No data available. Relative density: 0.831-0.881 pH: 7.71

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

### Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

### Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

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# Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>20	mg/l

# Non-classified ingredients:

# TOLUENE

IVN	RAT	LD50	1960	mg/kg
ORL	MUS	LD50	2	gm/kg
ORL	RAT	LD50	6900	mg/kg

# ETHYL ACETATE

ORL	MUS	LD50	4100	mg/kg
ORL	RAT	LD50	5620	mg/kg
SCU	RAT	LDLO	5	gm/kg

# XYLENE

DERMAL	RBT	LD50	>4200	mg/kg
ORAL	MUS	LD50	5251	mg/kg

### N-HEXANE

IPR	RAT	LDLO	9100	mg/kg
IVN	MUS	LDLO	831	mg/kg
ORL	RAT	LD50	25	gm/kg

# ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

# ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

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# N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

### PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

# **ISOPROPYL ACETATE**

IVN	RAT	LDLO	174	mg/kg
ORL	RAT	LD50	6750	mg/kg

# METHYL ACETATE

ORL	RAT	LD50	>5	gm/kg
SCU	RAT	LDLO	8	gm/kg

# METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

# ISOBUTANOL

IVN	MUS	LD50	417	mg/kg
IVN	RAT	LD50	340	mg/kg
ORL	RAT	LD50	2460	mg/kg

# 4-METHYLPENTAN-2-ONE

IPR	RAT	LD50	400	mg/kg
ORL	MUS	LD50	1900	mg/kg
ORL	RAT	LD50	2080	mg/kg

### PROPYL ACETATE

ORL	MUS	LD50	8300	mg/kg
ORL	RAT	LD50	9370	mg/kg

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# **BUTAN-1-OL**

IVN	RAT	LD50	310	mg/kg
ORL	MUS	LD50	2680	mg/kg
ORL	RAT	LD50	790	mg/kg

### PROPAN-1-OL

IVN	RAT	LD50	590	mg/kg
ORL	MUS	LD50	6800	mg/kg
ORL	RAT	LD50	1870	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Reproductive toxicity		Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

### Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach

pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

### Section 12: Ecological information

# 12.1. Toxicity

### **Ecotoxicity values:**

Species	Test	Value	Units
FISH	96H LC50	230	mg/I Ethyl Acetate
BLUEGILL (Lepomis macrochirus)	LC50	8300	mg/I Acetone

#### Hazardous ingredients:

### XYLENE

Ceriodaphnia dubia	48H EC50	>3.4	mg/l
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Daphnia magna	48H EC50	3.82	mg/l
GREEN ALGA (Selenastrum capricornutum)	EC50	4.36	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	2.6	mg/l

#### ACETONE

BLUEGILL (Lepomis macrochirus)	LC50	8300 mg/l	
· · · · · · · · · · · · · · · · · · ·		0	

#### 12.2. Persistence and degradability

#### Persistence and degradability: Biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

#### 12.4. Mobility in soil

Mobility: Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

#### 12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

### Section 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal

company.

Recovery operations: Not applicable.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national

regulations regarding disposal.

### Section 14: Transport information

#### 14.1. UN number

UN number: UN1263

### 14.2. UN proper shipping name

Shipping name: Paint related material

### 14.3. Transport hazard class(es)

#### Transport class: 3

### 14.4. Packing group

Packing group: ||

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Marine pollutant: Yes

#### 14.5. Environmental hazards

Environmentally hazardous: Yes

# 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

### Section 15: Regulatory information

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

Specific regulations: Not applicable.

## 15.2. Chemical Safety Assessment

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

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No			
	2015/830.		
	* indicates text in the SDS which has changed since the last revision.		
Phrases used in s.2 and s.3	: EUH066: Repeated exposure may cause skin dryness or cracking.		
	H224: Extremely flammable liquid and vapour.		
	H225: Highly flammable liquid and vapour.		
	H226: Flammable liquid and vapour.		
	H301: Toxic if swallowed.		
	H302: Harmful if swallowed.		
	H304: May be fatal if swallowed and enters airways.		
	H311: Toxic in contact with skin.		
	H312: Harmful in contact with skin.		
	H315: Causes skin irritation.		
	H318: Causes serious eye damage.		
	H319: Causes serious eye irritation.		
	H331: Toxic if inhaled.		
	H332: Harmful if inhaled.		
	H335: May cause respiratory irritation.		
	H336: May cause drowsiness or dizziness.		
	H361d: Suspected of damaging the unborn child.		
	H361f: Suspected of damaging fertility.		
	H370: Causes damage to organs <or affected,="" all="" if="" known="" organs="" state=""> <state of<="" route="" th=""></state></or>		
	exposure if it is conclusively proven that no other routes of exposure cause the hazard>.		

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H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects. Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any

damage resulting from handling or from contact with the above product.