



JAC 3 - BULK



# SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING



<b>1.1 Product identifier</b>	
Product Name	JAC 3 - BULK.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Quick drying cleaner and de-greaser. Suitable for use in the Dye Penetrant Inspection Process BS EN ISO 571-1 1997 (BS EN ISO 3452-2:2006 Sensitivity Level 2 when used in conjunction with penetrant family products).
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR. 0114 2738066. 0114 2729842. info@johnsonandallen.co.uk
Telephone	
Fax	
E-Mail (competent person)	
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	0114 2738066. (UK office hours 08.30-17.00).

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Flam. Liq. 2; Highly flammable liquid and vapour. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	F; Highly flammable. Xi; Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
<b>2.2 Label elements</b>	
<b>2.2.1 Label elements</b>	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) JAC 3 - BULK.
Hazard Pictogram	 
Signal word(s)	GHS02 GHS07 Danger.



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Hazard statement(s)	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. EUH066: Repeated exposure may cause skin dryness or cracking.
Precautionary statement(s)	P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P403+P235: Store in a well-ventilated place. Keep cool.
<b>2.2.2 Label elements</b>	According to Directive 67/548/EEC & Directive 1999/45/EC
Product Name	JAC 3 - BULK.
Hazard Symbol	 
Risk Phrases	F Xi R11: Highly flammable. R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Safety Phrases	S2: Keep out of the reach of children. S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S51: Use only in well-ventilated areas. S60: This material and its container must be disposed of as hazardous waste.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	For full text of H/P phrases see section 16.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Acetone	60-100	67-64-1	200-662-2	None assigned	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066
Butanone	1-5	78-93-3	201-159-0	None assigned	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336, EUH066



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EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Acetone	60-100	67-64-1	200-662-2	None assigned	F; R11, Xi; R36, R66, R67
Butanone	1-5	78-93-3	201-159-0	None assigned	F; R11, Xi; R36, R66, R67

### 3.2 Additional Information

For full text of H/P phrases see section 16.

## 4. SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms persist, obtain medical attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Wash out mouth with water. Do not give anything by mouth to an unconscious person. If symptoms persist, obtain medical attention.

Ingestion

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

Inhalation: Sore throat, Cough, Confusion, Headache, Dizziness, Drowsiness, Unconsciousness.

Skin Contact: Repeated exposure may cause skin dryness or cracking.

Eye Contact: Redness, Pain.

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

Unlikely to be required but if necessary treat symptomatically.

## 5. SECTION 5: FIRE-FIGHTING MEASURES

Highly flammable liquid and vapour.

### 5.1 Extinguishing Media

Suitable Extinguishing Media

In case of fire: Extinguish preferably with dry chemical, sand, foam or carbon dioxide.

Unsuitable Extinguishing Media

Water.

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

Decomposes in a fire giving off toxic fumes: Carbon dioxide, Nitrogen oxides.

### 5.3 Advice for fire-fighters

Vapours or fumes: can form explosive mixture with air.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.



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### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- |     |  |  |
|-----|--|--|
| 6.1 | <b>Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Eliminate all ignition sources if safe to do so. Avoid breathing vapours. Avoid contact with eyes. Wear protective gloves/eye protection. Wash hands thoroughly after handling. |
| 6.2 | <b>Environmental precautions</b>   | Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.   |
| 6.3 | <b>Methods and material for containment and cleaning up</b>                | Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.   |
| 6.4 | <b>Reference to other sections</b>   | See Also Section 8 and 13.   |

### 7. SECTION 7: HANDLING AND STORAGE

- |     |   |   |
|-----|---|---|
| 7.1 | <b>Precautions for safe handling</b>                                | The vapour is heavier than air and spreads along ground. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapours. Avoid contact with eyes. Avoid prolonged skin contact. Wear protective gloves/eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. |
| 7.2 | <b>Conditions for safe storage, including any incompatibilities</b> | Keep only in original container. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool. <25°C   |
|     | Storage Temperature   |   |
|     | Special storage conditions  | The storage of this product is subject to the requirements of the Highly Flammable and Liquid Petroleum Gases Regulations.  |
|     | Storage Life  | Stable under normal conditions.   |
|     | Incompatible materials  | Oxidizing agents, Strongly acidic, Strongly alkaline.   |
| 7.3 | <b>Specific end use(s)</b>  | Quick drying cleaner and de-greaser. Suitable for use in the Dye Penetrant Inspection Process BS EN ISO 571-1 1997 (BS EN ISO 3452-2:2006 Sensitivity Level 2 when used in conjunction with penetrant family products).   |

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters  
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Acetone	67-64-1	500	1210	1500	3620	WEL
Butanone	78-93-3	200	600	300	899	WEL, Sk




WEL: Workplace Exposure Limit (UK HSE EH40)

Sk: Can be absorbed through skin.

- |       |                               |                  |
|-------|-------------------------------|------------------|
| 8.1.2 | <b>Biological limit value</b> | Not established. |
| 8.1.3 | <b>PNECs and DNELs</b>        | Not established. |



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<b>8.2 Exposure controls</b>	
<b>8.2.1 Appropriate engineering controls</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded. A washing facility/water for eye and skin cleaning purposes should be present.
<b>8.2.2 Personal protection equipment</b>	
Eye/face protection	Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely.
	
Respiratory protection	Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
	
Thermal hazards	Not applicable.
<b>8.2.3 Environmental Exposure Controls</b>	Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid.
Colour	Colourless.
Odour	Characteristic.
Odour Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	-95.4 °C (Acetone)
Initial boiling point and boiling range	56 °C
Flash point	<-18 °C
Evaporation rate	Not available.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	233 hPa @ 20 °C (Acetone)
Vapour density	Not available.
Relative density	0.78 – 0.81
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	465 °C @ 1013 hPa (Acetone)
Decomposition Temperature	Not available.
Kinematic Viscosity	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.
<b>9.2 Other information</b>	
Volatile organic compound (VOC)	792 g/l



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### 10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	The vapour is heavier than air and spreads along ground. Vapours or fumes: can form explosive mixture with air.
10.4	Conditions to avoid	Keep away from heat, sources of ignition and direct sunlight.
10.5	Incompatible materials	Oxidizing agents, Strongly acidic, Strongly alkaline.
10.6	Hazardous Decomposition Product(s)	Carbon dioxide, Nitrogen oxides.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	
	Ingestion	Low acute toxicity.
	Inhalation	Acetone: LD50 (rat) = 5800 - 7138 mg/kg STOT SE 3; May cause drowsiness or dizziness. Acetone: LC50 (rat) 4hour(s) = 31994 ppm
	Skin Contact	Low acute toxicity. Acetone: LD50 (rabbit) > 15688 mg/kg
	Eye Contact	Low acute toxicity.
	Irritation	Eye Irrit. 2; Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.
	Corrosivity	Not classified.
	Sensitisation	Not expected to be a skin or respiratory sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
	Aspiration hazard	None anticipated.
11.2	Other information	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	Readily biodegradable. Unlikely to persist.
12.3	Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4	Mobility in soil	Soluble in water. The product is predicted to have high mobility in soil. The product is volatile and will partition into the atmosphere. The vapour is heavier than air and spreads along ground.
12.5	Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of contents/container to: Licensed recycler. Refer to manufacturer for information on recovery/recycling. Do NOT landfill.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.



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### 14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1263
14.2	Proper Shipping Name	PAINT.
14.3	Transport hazard class(es)	3
14.4	Packing Group	II
14.5	Environmental hazards	Not classified as a Marine Pollutant.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	
14.8.1	Tunnel Restriction Code	D/E

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	<b>Authorisations and/or restrictions on use</b>	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP); Draft 29/02/2012	All chemicals are not listed.
15.1.2	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	Not available.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Flam. Liq. 2	Flammable liquid Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
F	Flammable
Xi	Irritant

#### Risk Phrases

R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.



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### Hazard statement(s) and Precautionary statement(s)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Extinguish preferably with dry chemical, sand, foam or carbon dioxide.
P405	Store locked up.
P501	Dispose of contents/container to: Licensed recycler.

### Hazard pictogram(s) and Hazard Symbol

GHS02		F	
GHS07		Xi	

### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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### Annex to the extended Safety Data Sheet (eSDS)

No information available.