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ROCOL SWILLINGTON

NO. 769 P. 1

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TECHNICAL HOTLINE : 0113 232 2750  
FAXBACK SERVICE : 0113 232 2770

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ROCOL LIMITED  
ROCOL HOUSE  
SWILLINGTON  
LEEDS LS26 8BS

TEL 0113 232 2600

FAX 0113 232 2740

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## SAFETY DATA SHEET ROCOL STRONGBOND

43541 1.00 GB Current 12.11.1997

**SAFETY DATA SHEET Ref. No.** 43541

### 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	ROCOL STRONGBOND
Manufacturer/Supplier	ROCOL Site Safety Systems Limited
Address	ROCOL House, Swillington, Leeds, West Yorkshire, LS26 8ES, England.
Phone Number	+44 (0) 113 2322800
Fax Number	+44 (0) 113 2322850
Emergency Phone Number	+44 (0) 113 2322600

### 2. COMPOSITION/INFORMATION ON THE COMPONENTS

#### Hazardous Components in Product for EC

Component Name	Codes	Concentration	R Phrases	Classification
1. ACETONE	000067-64-1	35.00 - 40.00	R11	F
2. BUTANONE	000078-93-3	30.00 - 35.00	R11, R36/37	Xi, F

R11	Highly flammable.
R36/37	Irritating to eyes and respiratory system.
F	F - Highly flammable
Xi	Xi - Irritant

### 3. HAZARD IDENTIFICATION

Main Hazards	Highly flammable. Irritating to eyes and respiratory system.
Health Effects - Eyes	Liquid may cause slight transient irritation.
Health Effects - Skin	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.
Health Effects - Ingestion	Swallowing may have the following effects:- nausea.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness, headache, light headedness. Exposures during normal handling and use are likely to be well below those that would be expected to produce the above effects.

### 4. FIRST AID MEASURES

First Aid - Eyes	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
First Aid - Skin	Wash skin with soap and water. Apply a reconditioning skin cream.
First Aid - Ingestion	Wash out mouth with water. Do not induce vomiting.
First Aid - Inhalation	Remove from exposure. Seek medical attention if you feel unwell.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all sources of ignition. Ventilate the area.
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<b>6. ACCIDENTAL RELEASE MEASURES (continued)</b>	
Environmental Precautions	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.
<b>7. HANDLING AND STORAGE</b>	
Handling	Use in well ventilated area. To avoid the build-up of electrostatic charges, earth all containers and piping when transferring from one vessel to another.
Storage	Storage temperature should be controlled to between 10 and 25 °C.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
Occupational Exposure Standards	UK EH40: OES 750ppm 8h TWA. UK EH40: OES 1500ppm 15min TWA.
1. ACETONE	UK EH40: OES 200ppm (600mg/m <sup>3</sup> ) 8h TWA. UK EH40: OES 300ppm (899mg/m <sup>3</sup> ) 15min TWA.
2. BUTANONE	
Engineering Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection if there is a risk of exposure to high vapour concentrations.
Hand Protection	PVC or rubber gloves.
Eye Protection	Chemical goggles if there is a risk of splashing.
Body Protection	Normal work wear.
Protection During Application	During application, adequate ventilation must be provided.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
Physical State	Liquid.
Colour	Opaque.
Odour	Ketonic.
Flash Point (PMCC) (°C)	-18
Explosion Limits (%)	Lower limit 1.8. Upper limit 13.
Solubility in Water (kg/m <sup>3</sup> )	Partially soluble.
Vapour Pressure (mm.Hg./20 °C)	185
Density (kg/m <sup>3</sup> )	0.82. (measured as kg/litre)
Auto-flammability (°C)	465
Viscosity (cSt)	100 at 20 °C.
Evaporation Rate	>1 (referenced as n-butyl acetate = 1)
<b>10. STABILITY AND REACTIVITY</b>	
Stability	Stable under normal conditions
Conditions to Avoid	High temperatures.
Materials to Avoid	Oxidising agents.
Hazardous Decomposition Products	Combustion will generate smoke, possibly thick and choking, resulting in zero visibility.
<b>11. TOXICOLOGICAL INFORMATION</b>	
Acute Toxicity	No data.

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### 12. ECOLOGICAL INFORMATION

Mobility	The product is insoluble in water. The product is volatile/gaseous and will partition to the air phase.
Persistence/Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Product is not expected to bioaccumulate.

### 13. DISPOSAL

Product Disposal	If recovery is not possible, allow the material to evaporate, provided it is safe to do so; if not then incinerate. Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near to the container. Do not incinerate closed containers.

### 14. TRANSPORT INFORMATION

UN Number	1133
UN Proper Shipping Name	Adhesives
UN Class	3
UN Packaging Group	II
ADR/RID - Class	3
ADR/RID - Item No.	5b
IMDG - Proper Shipping Name	Adhesive, containing a flammable liquid.
IMDG - Packaging Group	II
IMDG - Class	3.2
IMDG - Marine Pollutant	No.
IMDG - Ems Number	3-05
IMDG - MFAG Table Number	300
IATA - Proper Shipping Name	Adhesive, containing a flammable liquid.
IATA - Packaging Group	II
IATA - Class	3
Tremcard No. TEC(R)	595

### 15. REGULATORY INFORMATION

Labelling Information	 Irritant  Highly flammable
R phrases	Highly flammable. Irritating to eyes and respiratory system.
S phrases	Keep away from sources of ignition - No Smoking. Keep container in a well ventilated place. Use only in well ventilated areas. Do not breathe vapour. Avoid contact with eyes. Take precautionary measures against static discharges.
EC Annex I Classification	Xi - Irritant

### 16. OTHER INFORMATION

Product Use	For industrial use only. Adhesives.
MSDS first issued	12 November 1997
MSDS data revised	

### 17. NATIONAL LEGISLATION

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### 17. NATIONAL LEGISLATION (continued)

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**EC Legislation**

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.  
EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.

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**UK Guidance Publications**

EH26, Occupational Skin Diseases: Health and Safety Precautions, HSE.  
EH40, Occupational Exposure Limits, HSE. Revised Annually.

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To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

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