

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

PRODUCT NAME	LAUNDRY MARKING MACHINE SOLVENT
CHEMICAL FAMILY	Hydrocarbon Solvents
COMPANY NAME	COLE & WILSON LTD, NABBS LANE, SLAITHWAITE, HUDDERSFIELD, W. YORKSHIRE, HD7 5AT
EMERGENCY TELEPHONE	01484 842353
EMAIL	info@colewilson.co.uk

### 2. HAZARD IDENTIFICATION

PICTOGRAMS



SIGNAL WORD

DANGER

CONTAINS

30-50% BUTANONE , 15-30% ETHANOL 1 - 3 % METHANOL

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour. H302: Harmful if swallowed. H319: causes serious eye damage. H336: May cause drowsiness or dizziness. H371: Causes damage to organs.

PRECAUTIONARY STATEMENTS

P210: Keep away from heat/sparks/open flames/hot surfaces-No smoking P261: Avoid breathing dust/mist/vapours/spray. P305+ P351+P338: IF IN EYES Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. P308+P311: IF exposed or concerned Call a POISON CENTER or doctor/ physician.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISATION

Blend of butanone ethanol and water.  
Butanone CAS no 78-93-3, EC no 201-159-0, H225, H319, H336  
Ethanol CAS no 64-17-5, EC no 200-578-6, H225, H319  
Methanol CAS no 67-56-1, EC no 200-659-6, H225, H301, H331, H371

FURTHER INFORMATION

Contains <1.5% methanol CAS no. 67-56-1.

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LAUNDRY MARKING MACHINE SOLVENT

#### 4. FIRST AID MEASURES

INHALATION	Remove to fresh air. Rest. If breathing stopped apply artificial respiration. Obtain medical attention urgently.
SKIN CONTACT	Remove contaminated clothing and wash affected areas with soap and water.
EYE CONTACT	Flush eyes with water for at least 15 minutes and obtain medical attention urgently.
INGESTION AND MEDICAL ADVICE	Wash out mouth with water. If conscious, give water to drink. Major effects of acute over-exposure will be local irritation and CNS depression. Treat symptoms.

#### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Fight fire with foam, dry chemical or Co <sup>2</sup> . Water spray may not be effective for fire fighting but should be used to disperse vapours and protect fire fighters. Do not use water jet.
SPECIAL PRECAUTIONS	Wear S.C.B.A. Risk of drums bursting with explosive results. The vapour is heavier than air and may travel along the ground causing remote ignition.

#### 6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP	Collect in suitable containers for disposal. Wash away small spillages and residues with plenty of water. Wear goggles and PVC or rubber gloves and respirator where there is a risk of exposure to high vapour. Ensure all naked lights are extinguished.
ENVIRONMENTAL PRECAUTIONS	Prevent liquid entering sewers, basements and workpits where vapour may create an explosive atmosphere. If substance has entered drains, advise police.

#### 7. HANDLING AND STORAGE

Avoid inhaling vapour. Avoid contact with skin and eyes. Handle in a well ventilated area. All storage & transfer systems should be earthed to prevent build up of static electricity. Store in accordance with highly flammable liquid and liquified petroleum gases regulations. Suitable storage materials - stainless steel, polypropylene and polythene. Unsuitable storage materials - copper, aluminium, mild steel and many plastics.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION	Wear respirator protection where there is a risk of exposure to high vapour concentrations. Wear PVC or rubber gloves. Wear goggles or spectacles to protect eyes.
EXPOSURE LIMITS	For butanone S.T.E.L. is 300ppm (885mg/cu.m). For ethanol 8hr TWA is 1000ppm (1900mg/cu.m).  For methanol 8hr TWA 200ppm (260mg/cu.m).

## 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	Clear mobile liquid.
COLOUR	Pale straw.
ODOUR	Similar to acetone.
CHANGES IN PHYSICAL STATE	Boiling point approx. 75°C.
FLASH POINT	Minus 1°.
IGNITION TEMPERATURE	Approx. 350°C.
EXPLOSION LIMITS	1.8 - 11.5% vol at 25°C (butanone).
VAPOUR PRESSURE	Not determined.
DENSITY	Approx. 0.870 @ 15°C.
SOLUBILITY	Soluble in water.
pH VALUE	6-8.
VISCOSITY	Not determined.

## 10. STABILITY & REACTIVITY

STABILITY	Stable.
CONDITIONS/MATERIALS TO AVOID	Sources of ignition and hot surfaces. Oxidising agents, caustics, amines, alkanoamines, aldehydes, ammonia and chlorinated compounds.
PRODUCTS OF COMBUSTION	Carbon monoxide and/or carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	Butanone - LD50 orl RAT: 3.98g/kg. LD50 dermal RBT: 78ml/kg.
DERMAL COMPATABILITY	Ethanol -LD50 orl RAT: 6.2 - 17.8ml/kg. Unlikely to be irritant on brief or occasional exposure. Prolonged contact may produce irritation and dermatitis.
MUCOUS MEMBRANE COMPATABILITY	Butanone vapour at 350ppm will cause irritation to upper respiratory tract and eyes. 3000ppm over 1-8 hours will cause intolerable irritation leading to general anaesthesia. 10000ppm will be hazardous to life.
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## 12. ECOLOGICAL INFORMATION

Oxygen depletion due to biodegradation may occur.  
Aquatic toxicity for butanone: 5640mg/L 45Hr blue gill TLm fresh water.  
Soluble in aqueous systems. Spillage on land will evaporate.

## 13. DISPOSAL CONSIDERATIONS

ADVICE ON DISPOSAL If not recoverable, dispose of by approved incineration.  
Recycle or scrap (caution - explosion risk).  
Classified as special waste for controlled disposal.

## 14. TRANSPORT INFORMATION

UN NO. 1193  
Class 3  
PACKAGING GROUP II  
IMDG PAGE NO. -  
MARINE POLLUTANT No.  
TREM CARD NUMBER None.

## 15. REGULATORY INFORMATION

PICTOGRAMS



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DANGER

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WATER HAZARD CLASS (WGK)

1 - Self classification.

## 16. OTHER INFORMATION.

Date of issue 30th March 2010.  
REVIEWED

Jun-15

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

I WRIGHT, CHEMIST