

# MATERIAL SAFETY DATA SHEET

## Hydrosan Solvego HD

Phosphate free, medium duty, alkaline, solvent detergent



SANS 1344 ,1828

### COMPANY DETAILS

Manufacture's Name: Columbus Cleaning Solutions (Pty) Ltd  
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### 1. PRODUCT NAME:

Trade Name: Solvego HD  
Product Code: SHD  
Synonyms: Medium duty, alkaline, solvent detergent

### 2. COMPOSITION:

Main components in concentrate form:

Ethylene glycol monobutyl ether	CAS# 111-76-2	< 10%
Sodium hydroxide	CAS# 1310-73-2	< 5%
Fatty alcohol ethoxylate	CAS# 68439-50-9	< 10%
Alkyl ether sulphate	CAS# 98112-64-2	< 10%

R Phrases: 36

### 3. HAZARDS IDENTIFICATION:

Main hazard: Alkaline , could irritate eyes.  
Flammability: Not flammable  
Reproduction hazard: Nil

Health effects:

Eyes: Irritant, burns  
Skin: Burns  
Ingestion: Burns  
Inhalation: N/A

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Carcinogenicity: Nil  
 Mutagenicity: Nil  
 Neurotoxicity: Nil

#### 4. FIRST AID MEASURES:

First Aid Eyes: Irritant, burns. Flush eyes with water. Seek medical help.  
 First Aid Skin: Wash with water. Seek medical help.  
 First Aid Ingestion: Drink milk. Seek medical help.  
 First Aid Inhalation: Remove to fresh air.

#### 5. FIRE FIGHTING MEASURES:

Extinguishing Media: Water, spray or fog, CO2 powder  
 Protective Clothing: Wear protective clothing  
 Special Hazards: None

#### 6. ACCIDENTAL RELEASE MEASURES:

Breathing apparatus for fire only: Ensure adequate ventilation.  
 Environmental Precautions: Do not flush into sewer  
 Small spills: Scrape up. Return to original container.  
 Large spills: Clean as per Government regulations. Soak up with inert absorbent material (eg. Sand, silica gel, acid binder, sawdust)

#### 7. HANDLING AND STORAGE:

Suitable Material: Plastic containers  
 Handling Storage Precessions: Keep in a cool place. Keep lid closed.

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

Occupational Exposure Limits: Nil  
 Engineering Control Measures: Not required  
 Personal Protection: Wear protective clothing  
 Other Protection: None

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, straw liquid.  
 Odor: Light solvent  
 pH: 11.5 - 12.5  
 Boiling point: 100° C  
 Melting point: Not determined  
 Flash point: Not applicable  
 Flammability: Nil  
 Auto Flammability: Not determined  
 Explosive Properties: Nil  
 Oxidizing Properties: Nil  
 Vapor pressure: As for water  
 Specific Gravity: 1.01 - 1.02  
 Solubility: Water: Completely  
 Solubility: Solvent: Partial  
 Neurotoxicity: Nil.

## 10. STABILITY AND REACTIVE

Chemical Stability:	Stable under normal conditions.
Incompatible Materials:	Acids
Hazardous decomposition products:	Nil.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not toxic.
Skin and eye contact:	Eye Irritant (R38)
Chronic Toxicity:	Nil
Carcinogenicity:	Nil
Mutagenicity:	Nil
Reproduction Hazard:	Nil

## 12. ECOLOGICAL INFORMATION

According to legal requirements for cleaning products , the surfactants have a biological biodegradability of at least 90%.

Aquatic Toxicity:	Fish:	Assumed non toxic
Aquatic Toxicity:	Daphnia:	Assumed non toxic
Aquatic Toxicity:	Algae:	Assumed non toxic
Biodegradability:	Yes	
Bio-accumulations:	Nil	

## 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose in accordance with local legislation
Disposal of packaging:	No special precautions

## 14. TRANSPORT INFORMATION

Product is not classified for any mode of transport.

## 15. REGULATORY INFORMATION

EEC hazard classification:	N/A
Risk Phases:	36 ,38
Safety Phases:	07, 26, 62
National Legislation:	N/A

## 16. OTHER INFORMATION

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