

**Safety Data Sheet**

According to Regulation (EC) 1907/2006

SDS completed: 08.01.2020

Version No: 4

Revision No: 1

Supersedes: SDS Dated 12.06.2019

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

**1.1 Product identifier**

Product Name Simple Solution Patio and Deck Stain & Odour Remover  
Product Code(s) 90453

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

Recommended Use For amateur use only as a stain and odour remover

**1.3 Details of the supplier of the safety data sheet**

Company Manna Pro  
Barnack House  
Suite 2  
Orton Southgate  
Peterborough  
PE2 6GP

Technical Phone No. 44-(0)-1733 404390 (Office Hours)

Fax 44-(0)-1733 685437

E-mail Address admin@mannaprouk.com

**1.4 Emergency telephone number**

Emergency Phone +44-(0)-1733 404390 (Office Hours)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

CLASSIFICATION according to Regulation EC 1272/2008 Classification, Labelling and Packaging  
Not classified.

**2.2 Label elements**

There are no statutory label elements

**2.3 Other hazards**

Mixture not classed as PBT or vPvB

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

Chemical Name	CAS-No./ EC-No.	Annex Index/ REACH number	Classification according to Regulation EC 1272/2008:	Concentration [%]
Ethanol	64-17-5/ 200-578-6	603-002-00-5/ 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	0.5 - 1.0

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

GENERAL ADVICE

Consult a physician in all cases of doubt. Show this safety data sheet to the doctor in attendance.



## Safety Data Sheet

According to Regulation (EC) 1907/2006

SDS completed: 08.01.2020

Version No: 4

Revision No: 1

Supersedes: SDS Dated 12.06.2019

### AFTER INHALATION

If breathed in, move person into fresh air.

### AFTER SKIN CONTACT

Wash off with soap and water.

### AFTER EYE CONTACT

Rinse thoroughly with plenty of water for at least 15 minutes, if any soreness or irritation persists seek medical advice.

### AFTER INGESTION

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Obtain medical advice if any irritation persists.

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

None reported.

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

None reported.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

#### EXTINGUISHING MEDIA

Suitable extinguishing media: Not expected to be flammable. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Not expected to be flammable. When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide. Material can create slippery conditions.

### 5.3 Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SPECIFIC METHOD(S) OF FIRE FIGHTING Use water spray to cool fire-exposed containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions

### 6.2 Environmental precautions

Avoid release of neat product into surface water and sanitary sewage system.

### 6.3 Methods and material for containment and cleaning up

#### Methods for Containment



**Safety Data Sheet**

According to Regulation (EC) 1907/2006

SDS completed: 08.01.2020

Version No: 4

Revision No: 1

Supersedes: SDS Dated 12.06.2019

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning up

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

Refer to sections 7, 8 and 13

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**7.3 Specific end use(s)**

For amateur use only as a stain and odour remover.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

Components with Workplace Exposure Limits:

ETHANOL

UK:

Workplace exposure Limits as defined by UK HSE in document EH40/2005:

Substance	CAS number	Workplace Exposure Limit				Comments
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		
		ppm	mg.m <sup>-3</sup>	ppm	mg.m <sup>-3</sup>	
Ethanol	64-17-5	1000	1920	-	-	The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to the substances identified in IOELV Directives*

\*IOELV – Indicative Occupational Exposure Limit Values (IOELV).

Germany:

TRGS 900 Occupational exposure limit value: 960 mg/m<sup>3</sup>

TRGS 900 Occupational exposure limit value: 500 ppm

Excess factor: 2(II)

Remark (TRGS 900): DFG, Y

**DNELs and PNECs for components where available:**

ETHANOL:

**Safety Data Sheet**

According to Regulation (EC) 1907/2006

SDS completed: 08.01.2020

Version No: 4

Revision No: 1

Supersedes: SDS Dated 12.06.2019

Type	Effect	Value	Population
DNEL	Inhalation	950 mg/m <sup>3</sup>	Industry
DNEL	Dermal	343 mg/m <sup>3</sup>	Industry
DNEL	Inhalation	114 mg/m <sup>3</sup>	Consumer
DNEL	Dermal	206 mg/m <sup>3</sup>	Consumer
DNEL	Oral	87 mg/m <sup>3</sup>	Consumer
PNEC	Freshwater	0.96 mg/l	-
PNEC	Marinewater	0.79 mg/l	-

**Source:** Univar SDS date: 08/05/2013

## 8.2 Exposure controls

### Engineering Measures

General ventilation is normally adequate

### Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC

### Hand Protection

Long term use eg: continuous wear or immersion;. Wear suitable protective gloves conforming to EN 374. Type of gloves suggested ∴ Nitrile rubber. PVC. Neoprene gloves. For break through times, refer to glove manufacturers recommendations.

### Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

### General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Light yellow
Physical State:	liquid
Odour:	Vanilla
pH	6.0
Boiling point:	100 °C
Melting point:	-5 °C
Flash Point	> 62°C
Specific Gravity	1.0 g/cm <sup>3</sup>
Viscosity	No information available
Solubility	Soluble in water
Autoignition Temperature	No information available
Flammability Limits in Air %	Not applicable
Evaporation Rate	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Explosive properties	No information available
Oxidizing Properties	No information available



## Safety Data Sheet

According to Regulation (EC) 1907/2006

SDS completed: 08.01.2020

Version No: 4

Revision No: 1

Supersedes: SDS Dated 12.06.2019

VOC Content (%) 1.2 %

### 9.2 Other information

None available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No reactions reported.

### 10.2 Chemical stability

Stability: Stable under recommended storage conditions.  
Materials to Avoid: No chemical incompatibility is known.

### 10.3 Possibility of hazardous reactions

None reported.

### 10.4 Conditions to avoid

Keep out of direct sunlight. Keep container tightly closed.

### 10.5 Incompatible materials

None reported.

### 10.6 Hazardous decomposition products

Hazardous Polymerization: Will not occur  
No chemical incompatibility is known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	Not expected to be toxic.
Skin corrosion/irritation:	Product is not classified as a skin corrosive/irritant.
Serious eye damage/irritation:	Product is not classified as causing eye damage or irritation.
Respiratory or skin sensitisation:	Product is not classified for respiratory or skin sensitisation.
Germ cell mutagenicity:	No information specified.
Carcinogenicity:	No information specified.
Reproductive toxicity:	No information specified.
STOT-single exposure:	Product is not classified as having Specific Target Organ Toxicity for single exposure
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

### Toxicity information on ingredients where available:

#### Ethanol:

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 10,740  
Species rat



OECD 401: Acute Oral Toxicity; Experimental value)

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>mg/kg) >16,000

Species: Rabbit

Literature study

Source: Barrettine SDS, 04/08/2016

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

The mixture is not classified as harmful to the environment.

#### Ecotoxicity information on ingredients where available:

##### Ethanol:

LC50 fish: 13000 mg/l (LC50; 96 h; Salmo gairdneri; Static system; Fresh water)

Persistence and degradability: Readily biodegradable in water. Biodegradable in soil. No (test)data available on mobility of the substance.

Biochemical oxygen demand (BOD): 0,8 - 0,967 g O<sub>2</sub>/g substance

Chemical oxygen demand (COD): 1,70 g O<sub>2</sub>/g substance

Theoretical Oxygen Demand ThOD: 2,10 g O<sub>2</sub>/g substance

Source: Barrettine SDS, 04/08/2016

### 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3 Bioaccumulative potential

Information not available.

### 12.4 Mobility in soil

Soluble in water.

### 12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB, as defined under the regulation EC 1907/2006.

### 12.6 Other adverse effects

None specified.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Waste from Residues / Unused Products



## Safety Data Sheet

According to Regulation (EC) 1907/2006

SDS completed: 08.01.2020

Version No: 4

Revision No: 1

Supersedes: SDS Dated 12.06.2019

The used product can be drained to sewage if it does not contain hazardous materials and the pH is neutral (typically 5.5 to 9).

### Contaminated Packaging

Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations.

### EWC waste disposal No

The following EWC/ AVV waste codes may be applicable: 07 06 01\* aqueous washing liquids and mother liquors

### Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

Not classified

### 14.2 UN proper shipping name

Not classified

### 14.3 Transport hazard class(es)

Not classified

### 14.4 Packing group

Not classified

### 14.5 Environmental hazards

Not classified

### 14.6 Special precautions for user

Remarks:

Not classified as hazardous according to ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Applicable for Maritime bulk transport only. Check with carrier.

## SECTION 15: REGULATORY INFORMATION

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

This product is classified and labelled in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

This is a detergent product and complies with the Detergent Regulation (EC) No.648/2004.

*Labelling for contents (REGULATION (EC) No 648/2004):*

Perfume, amyl cinnamal, hexyl cinnamal, hydroxyisohexyl 3- cyclohexene carboxaldehyde, bronopol, 1,2-Benzisothiazolin-3-one



*WGK Classification*

Low hazard to waters (WGK 1), Classification according VwVwS

**15.2 Chemical safety assessment**

Chemical safety assessment not undertaken for this product.

**SECTION 16: OTHER INFORMATION**

**Abbreviations:**

Eye Irrit. 2	Eye Irritation category 2
Flam. Liq. 2	Flammable Liquid category 2
DNEL	Derived No-Effect Level
LD50/LC50	Lethal Dose/Lethal Concentration 50%
OECD	Organisation for Economic Co-Operation and Development
PNEC	Predicted No-Effect Concentration
PBT	Persistent, bioaccumulative and toxic.
vPvB	very Persistent and very Bioaccumulative.

**Full text of H-statements referred to under section 3:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**WARRANTY**

The information given in this safety data sheet is based on knowledge available at the time of completion and is intended to describe the product only in terms of health and safety requirements. It does not signify any warranty with regard to specific properties or specifications.