

# MOSSCLEAN

## Material Safety Data Sheet.

### 1. Identification of the substance / preparation and of the company.

#### 1. Product Identifier

Product Name Mossclean  
Product No TBA

#### 2. Relevant identified uses of the substance of mixture and uses advised against

Identified uses General Chlorine based paving cleaner

#### 3. Details of the supplier of the safety data sheet

Supplier PICS Ltd  
Unit 2 Red Shute Hill Ind Est  
Hermitage Newbury Berks RG18 9QL  
Contact Person Technical Department  
Tel: +44 (0) 1635 202224  
Email: [info@picsuk.com](mailto:info@picsuk.com)  
Emergency Telephone +44 (0) 1635 202224 (24hr)

### 2. Hazards identification.

#### 2.1 Classification of the substance or mixture

Classification (1999/45/EEC) Xi; R36/38 N; R50, R31

#### 2.2 Label elements



Irritant



#### Risk Phrases

R36/38 Irritating to the eyes.  
R31 Contact with acids liberates toxic gas.  
R50 Very toxic to aquatic organisms.

#### Safety Phrases

S2 Keep out of the reach of children  
S24/25 Avoid contact with skin and eyes  
S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.  
S46 In swallowed seek medical advice immediately and show this container or label.

### 3. Composition / Information on ingredients.

Sodium Hypochlorite Solution...% CI Active  
CAS-No.: 7681-52-9 EC No.: 231-668-3

Classification (EC 1272/2008) Classification (67/548/EEC)  
EUH031 C;R34  
Skin Corr 1B-H314 R31  
Aquatic Acute 1 – H400 N;R50

The full text for all R phrases are displayed in Section 16.

### 4. First-aid measures.

#### **4.1 Description of first aid measures**

##### **Inhalation**

Not relevant. Inhalation unlikely. In case of inhalation of spray mist. Move person into fresh air and keep at rest.

##### **Ingestion**

DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

##### **Skin Contact**

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

##### **Eye Contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 mins. Get medical attention if any discomfort continues.

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

##### **General Information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

##### **Inhalation**

Irritation of nose, throat and airway.

##### **Ingestion**

May cause discomfort if swallowed.

##### **Skin Contact**

Skin irritation. Prolonged skin contact may cause redness and irritation.

##### **Eye Contact**

May cause temporary eye irritation. Prolonged contact may cause redness and / or tearing.

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

Treat symptomatically

### **5. Fire fighting measures.**

#### **5.1 Extinguishing Media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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

Specific hazards. When heated and in case of fire, harmful vapours / gases may be formed.

#### **5.3 Advice for firefighters**

Protective equipment for fire-fighters. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### **6. Accidental release measures.**

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

Avoid contact with eyes. Avoid contact with skin.

#### **6.2 Environmental precautions**

This product is dangerous for the environment. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Small quantities may be flushed to drains with plenty of water. Large spillages: pick up with vacuum or absorbent solid, store in closed container for disposal.

#### **6.4 Reference to other sections**

For personal protection, see section 8

### **7. Handling and storage.**

#### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. DO NOT mix with any other chemicals.

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

Keep in original container. Keep containers tightly closed. Store in a cool place. Protect from light, including direct sunrays. Store away from: Acids

#### **7.3 Specific end use(s)**

The identified uses for this product are detailed in Section 1.2

Usage description – see product information sheet and label for detailed use of this product.

## **8. Exposure controls / personal protection.**

### **Engineering measures**

Not relevant.

### **Respiratory equipment**

Respiratory protection not required.

### **Hand protection**

Wear protective gloves. (Household rubber gloves)

### **Eye protection**

Eye protection recommended.

### **Other protection**

Wear appropriate clothing to prevent any possibility of skin contact.

## **9. Physical and chemical properties.**

### **9.1 Information on basic physical and chemical properties**

Appearance	:	Liquid
Colour	:	Clear pale yellow
Odour	:	Chlorine like
Solubility	:	Soluble in water
Initial boiling point and boiling range	:	101
Melting point (°C)	:	-1
Relative Density	:	1.080 @ 20°C
Ph value Conc Solution	:	12.4
Flash Point (°C)	:	Boils without flashing

### **9.2 Other information**

None

## **10. Stability and reactivity.**

### **10.1 Reactivity**

Generates toxic gas in contact with acid.

### **10.2 Chemical stability**

Inadequately vented containers may become pressurised.

### **10.3 Possibility of hazardous reactions**

See sections 10.1 10.4 & 10.5.

### **10.4 Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight.

### **10.5 Incompatible materials**

Materials to avoid – Alkalis, acids, metal salts and reducing agents.

### **10.6 Hazardous decomposition products**

Toxic chlorine gas is released if product is mixed with acidic materials. When heated, vapours / gases hazardous to health may be formed.

## **11. Toxicological information.**

### **11.1 Information on toxicological effects**

#### **Toxicological Information**

We have not carried out any animal testing; therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

#### **Other Health Effects**

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## **12. Ecological information.**

### **Ecotoxicity**

Dangerous for the environment. Very toxic to aquatic organisms

#### **12.1 Toxicity**

We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

#### **Acute Fish Toxicity**

Very toxic to aquatic organisms.

#### **12.2 Persistence and degradability**

Degradability – Rapidly degrades to Sodium Chloride by chemical reaction with organic matter in effluent.

#### **12.3 Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

#### **12.4 Mobility in soil**

Not known.

#### **12.5 Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

#### **12.6 Other adverse effects**

Not known.

### **13. Disposal considerations.**

#### **13.1 Waste treatment methods**

Discharge used solutions to drain. Small amounts (less than 5ltr) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

### **14. Transport Information**

#### **Road transport notes**

Please note: product in pack size of 5ltr or less is classed as a “limited quantity” for transport and so will have the white with black points transport hazard diamond. Pack size greater than 5ltr will have the Black & White striped UN 3082 transport hazard diamond.

#### **14.1 UN Number**

UN NO (ADR / RID / ADN)	3082
UN No (IMDG)	3082
UN No (ICAO)	3082

#### **14.2 UN Proper Shipping Name**

**Proper shipping name** ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(hypochlorite solution)

#### **14.3 Transport hazard class(es)**

ADR / RID / ADN Class	Class 9 Miscellaneous dangerous substances and articles
IMDG Class	Class 9 Miscellaneous dangerous substances and articles
ICAO Class / Division	Class 9 Miscellaneous dangerous substances and articles

Transport Labels



#### **14.4 Packing group**

ADR / RID / ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

## 14.5 Environmental hazards

Environmentally hazardous substance / marine pollutant – No

## 14.6 Special precautions for user

IMDG Code segregation group 8. Hypochlorites  
EMS F-A, S-F

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant for packaged product.

# 15. Regulatory information.

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

### Guidance Notes

Workplace exposure limits EH40.

## EU Legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC- classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

## 15.2 Chemical Safety Assessment

Not applicable this product is a mixture.

# 16. Other information

## Information Sources

Material Safety Data Sheets, Misc manufactures. CLP Class – Table 3.1 list of harmonised classification and labelling of hazardous substances. CHIP Class – Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

## Revision Comments

New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006) No change in product classification. Main change is the move of labelling elements from Section 15 to Section 2 and Section 3 now has a different layout for the ingredients and lists their classification in both CHIP and CLP format.

**Revision Date:** 1/10/12

## Safety Data Sheet Status

The risk phrases / hazard statements listed below in this section No16 relate to the Raw Materials (ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the risk phrases / hazard statements relating to this product see Section 2.

## Risk Phrases In Full

R34	Causes burns.
R35	Causes severe burns.
R31	Contact with acids liberates toxic gas.
R36/38	Irritating to eyes and skin.
R50	Very toxic to aquatic organisms.

## Hazard Statements In Full

H314	Causes severe skin burns and eye damage.
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EUH031  
H400

Contact with acids liberates toxic gas.  
Very toxic to aquatic life.